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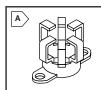
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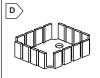


** AAVID* Heat Sinks

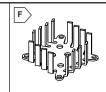












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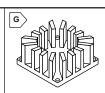
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MOUSER	F:	Description	Ther	Dim	ensions	(In.)		Price	Each	
STOCK NO.	Fig.	Description	Res (°C/W)	L	W	Н	1	10	100	500
For TO-3 Case Styl	les							,		
532-579103B00	Α	Space saving, expandable collar	22.0	1.540	1.125	.870	.75	.67	.57	.48
532-575603B00	В	Space saving, slanted fin basket	15.6	1.630	1.290	.500	.79	.70	.59	.50
532-575703B00	В	Space saving, slanted fin basket	13.4	1.630	1.290	.750	.77	.69	.58	.49
532-575803B00	В	Space saving, slanted fin basket	11.0	1.630	1.290	1.000	.96	.85	.72	.61
532-575903B00	В	Space saving, slanted fin basket	9.8	1.630	1.290	1.250	1.04	.92	.78	.66
532-542303X00	С	Space saving, cap cover	16.4	1.610	1.062	0.500	3.07	2.73	2.31	1.96
532-542603X00	С	Space saving, cap cover	15.2	1.610	1.062	0.750	3.30	2.93	2.49	2.10
532-542703X00	С	Space saving, cap cover	12.8	1.610	1.062	1.000	4.19	3.71	3.15	2.66
532-501303B00	D	Space saving, minimal board space	12.0	1.880	1.400	0.500	.70	.62	.52	.44
532-501403B00	D	Space saving, minimal board space	10.0	1.880	1.400	0.750	.74	.65	.55	.47
532-501503B00	D	Space saving, minimal board space	8.4	1.880	1.400	1.000	1.02	.91	.77	.65
532-501603B00	D	Space saving, minimal board space	7.8	1.880	1.400	1.250	1.16	1.03	.87	.74
532-576103B00	E	Slanted vanes for maximum cooling	7.2	1.810	1.810	0.500	.77	.68	.57	.49
532-576203B00	Ē	Slanted vanes for maximum cooling	6.2	1.810	1.810	0.750	.88	.78	.66	.56
532-576303B00	E	Slanted varies for maximum cooling	6.0	1.810	1.810	1.000	1.09	.97	.82	.69
532-570303B00 532-500103B00	F	Slanted fins for efficient cooling	7.2	1.810	1.810	0.500	1.71	1.52	1.29	1.09
532-500103B00 532-500203B00	F	Slanted fins for efficient cooling	6.2	1.810	1.810	0.750	2.70	2.39	2.03	1.72
532-500303B00	F	Slanted fins for efficient cooling	5.8	1.810	1.810	1.000	1.57	1.39	1.18	1.00
532-500303B00 532-500403B00	F	Slanted fins for efficient cooling	5.0	1.810	1.810	1.250	1.20	1.07	.91	.77
532-568303B00	G	Natural or forced air cooling	5.4	1.810	1.810	1.250	3.97	3.52	2.99	2.53
532-569003B00	H	Fold-back fins for maximum surface	5.4	1.830	1.830	1.310	1.15	1.02	.87	.73
For TO-66 Case St		1 Old-back lills for maximum surface	J.4	1.030	1.030	1.510	1.13	1.02	.01	.13
532-579206B00	A	Expandable collar heat sink	22.0	1.225	0.812	.540	.78	.69	FO	.50
532-569006B00	H	Fold-back fins for maximum surface	5.4	1.830	1.830	1.310	1.32	1.17	.59 1.00	.84
For TO-5 Case Styl		1 Old-back lills for maximum surface	J.4	1.030	1.030	1.510	1.32	1.17	1.00	.04
532-323005B00	1	Finned for maximum thermal cooling	56.0	0.750	0.750	0.250	.93	.82	70	.59
532-578205B00	J	Snap-on cooler for easy assembly	38.0	0.750	0.730	0.250	.93	.20	.70 .17	.14
532-578305B00	J			0.750	0.830		.26	.23	I	
For TO-18 and TO-9		Snap-on cooler for easy assembly	35.0	0.750	0.630	0.395	.20	.23	.20	.17
532-322400B00	K	Space saver, easy installation	100.0	0.500	0.500	0.235	.67	.59	F 0	.42
For TO-92 Case St		Space saver, easy iristaliation	100.0	0.300	0.500	0.233	.07	.59	.50	.42
532-575200B00	L	Slip-on, low cost, minimum space	60.0		0.602	0.720	.23	.21	.17	.15
532-575400B00	-	Slip-on, low cost, minimum space					.23	.22		
For TO-126 and TO			40.0		0.602	1.220	.24	.22	.18	.15
532-577500B00	-127 C		26.0	0.520	0.775	0.320	.26	.23	40	.16
532-577500B00 532-507302B00		Vertical mount for easy assembly					.18	- 1	.19	
For TO-202 Case S	N	Economy, low profile	24.0	0.750	0.750	0.375	.10	.16	.14	.12
	_	Tring to a self-triple and a self-triple	00.0	0.750	0.500	0.050	00	00	40	40
532-576904B00	0	Trim, low profile, minimum space	32.0	0.750	0.520	0.250	.26 .24	.23	.19	.16 .15
532-577304B00	0	Trim, low profile, minimum space	27.2	0.750	0.520	0.375	.24	.22	.18	
532-577404B00		Trim, low profile, minimum space	24.0 16.8	0.750 0.390	0.520	0.500		- 1	.18	.16
					1.020	0.900	.25	.22	.19	.16
532-574204B00	Р	Clip-on cooler for easy assembly				4 000	1.03	.91	.78	.66
532-531002B25	P Q	Extruded for HD application, solid pins	13.6	0.500	1.380	1.000	اممدا	4 4 4 4	!	
532-531002B25 532-531102B00	P Q Q	Extruded for HD application, solid pins Extruded for HD application, no pins	13.6 11.0	0.500 0.500	1.380 1.380	1.500	1.24	1.10	.94	.79
532-531002B25 532-531102B00 532-531102B25	P Q Q Q	Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins	13.6 11.0 11.0	0.500 0.500 0.500	1.380 1.380 1.380	1.500 1.500	1.08	.96	.82	.69
532-531002B25 532-531102B00 532-531102B25 532-531202B00	PQQQQ	Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins	13.6 11.0 11.0 9.0	0.500 0.500 0.500 0.500	1.380 1.380 1.380 1.380	1.500 1.500 2.000	1.08 1.12	.96 .99	.82 .84	.69 .71
532-531002B25 532-531102B00 532-531102B25 532-531202B00 532-531202B25	PQQQQQ	Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins	13.6 11.0 11.0 9.0 9.0	0.500 0.500 0.500 0.500 0.500	1.380 1.380 1.380 1.380 1.380	1.500 1.500 2.000 2.000	1.08 1.12 1.16	.96 .99 1.03	.82 .84 .87	.69 .71 .74
532-531002B25 532-531102B00 532-531102B25 532-531202B00 532-531202B25 532-531302B00	PQQQQQQ	Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins	13.6 11.0 11.0 9.0 9.0 8.0	0.500 0.500 0.500 0.500 0.500 0.500	1.380 1.380 1.380 1.380 1.380 1.380	1.500 1.500 2.000 2.000 2.500	1.08 1.12 1.16 1.10	.96 .99 1.03 .98	.82 .84 .87 .83	.69 .71 .74 .70
532-531002B25 532-531102B00 532-531102B25 532-531202B00 532-531202B25 532-531302B00 532-531302B25	PQQQQQQ	Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins	13.6 11.0 11.0 9.0 9.0	0.500 0.500 0.500 0.500 0.500	1.380 1.380 1.380 1.380 1.380	1.500 1.500 2.000 2.000	1.08 1.12 1.16	.96 .99 1.03	.82 .84 .87	.69 .71 .74 .70
532-531002B25 532-531102B00 532-531102B25 532-531202B00 532-531202B25 532-531302B00 532-531302B25 For TO-218 Case S	P Q Q Q Q Q Q	Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, solid pins	13.6 11.0 11.0 9.0 9.0 8.0 8.0	0.500 0.500 0.500 0.500 0.500 0.500 0.500	1.380 1.380 1.380 1.380 1.380 1.380 1.380	1.500 1.500 2.000 2.000 2.500 2.500	1.08 1.12 1.16 1.10 1.20	.96 .99 1.03 .98 1.06	.82 .84 .87 .83	.69 .71 .74 .70
532-531002B25 532-531102B00 532-531102B25 532-531202B00 532-531202B25 532-531302B00 532-531302B25 For TO-218 Case S	P Q Q Q Q Q tyles	Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, solid pins	13.6 11.0 11.0 9.0 9.0 8.0 8.0	0.500 0.500 0.500 0.500 0.500 0.500 0.500	1.380 1.380 1.380 1.380 1.380 1.380 1.380	1.500 1.500 2.000 2.000 2.500 2.500	1.08 1.12 1.16 1.10 1.20	.96 .99 1.03 .98 1.06	.82 .84 .87 .83 .90	.69 .71 .74 .70 .76
532-531002B25 532-531102B00 532-531102B25 532-531202B00 532-531202B25 532-531302B05 532-531302B05 532-531302B25 For TO-218 Case S 532-530101B10 532-530101B15	P Q Q Q Q Q Q Q Q Rtyles R R	Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, solid pins Extruded for HD application, solid pins Versatile high rise, twisted fins	13.6 11.0 11.0 9.0 9.0 8.0 8.0	0.500 0.500 0.500 0.500 0.500 0.500 0.500	1.380 1.380 1.380 1.380 1.380 1.380 1.380 1.750	1.500 1.500 2.000 2.000 2.500 2.500 1.750	1.08 1.12 1.16 1.10 1.20	.96 .99 1.03 .98 1.06	.82 .84 .87 .83 .90	.69 .71 .74 .70 .76
532-531002B25 532-531102B00 532-531102B25 532-531202B20 532-531202B25 532-531302B25 For TO-218 Case S 532-530101B10 532-530101B15 532-530401B15	P Q Q Q Q Q Q Q Q Q Q R R R S	Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, solid pins Extruded for HD application, solid pins Versatile high rise, twisted fins Versatile high rise, twisted fins Versatile high rise, staggered fins	13.6 11.0 11.0 9.0 9.0 8.0 8.0 16.8 16.8	0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.750	1.380 1.380 1.380 1.380 1.380 1.380 1.380 1.750 1.750	1.500 1.500 2.000 2.000 2.500 2.500 1.750 1.750	1.08 1.12 1.16 1.10 1.20 1.04 1.47 1.47	.96 .99 1.03 .98 1.06 .92 1.30 1.30	.82 .84 .87 .83 .90	.69 .71 .74 .70 .76 .66 .93
532-531002B25 532-531102B00 532-531102B25 532-531202B00 532-531202B25 532-531302B00 532-531302B25 For TO-218 Case S 532-530101B10 532-530101B15 532-530401B15 532-530401B15	P Q Q Q Q Q Q tyles R R S T	Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, no pins Extruded for HD application, solid pins Versatile high rise, twisted fins Versatile high rise, twisted fins Versatile high rise, staggered fins Solder pins for solder mounting	13.6 11.0 11.0 9.0 9.0 8.0 8.0 16.8 16.8 11.0	0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.750 0.500	1.380 1.380 1.380 1.380 1.380 1.380 1.380 1.750 1.750 1.750 1.380	1.500 1.500 2.000 2.000 2.500 2.500 1.750 1.750 1.500	1.08 1.12 1.16 1.10 1.20 1.04 1.47 1.47	.96 .99 1.03 .98 1.06 .92 1.30 1.30 .81	.82 .84 .87 .83 .90	.69 .71 .74 .70 .76 .66 .93 .93
532-531002B25 532-531102B00 532-531102B25 532-531202B00 532-531202B25 532-531302B00 532-531302B25 For TO-218 Case S 532-530101B10 532-530101B15 532-530401B15 532-513102B25 532-513102B25	P Q Q Q Q Q Q Tyles R R S T T	Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, no pins Extruded for HD application, solid pins Versatile high rise, twisted fins Versatile high rise, staggered fins Solder pins for solder mounting Solder pins for solder mounting	13.6 11.0 11.0 9.0 9.0 8.0 8.0 16.8 16.8 11.0 9.0	0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.750 0.500 0.500	1.380 1.380 1.380 1.380 1.380 1.380 1.380 1.750 1.750 1.750 1.380 1.380	1.500 1.500 2.000 2.000 2.500 2.500 1.750 1.750 1.500 2.000	1.08 1.12 1.16 1.10 1.20 1.04 1.47 1.47 .91	.96 .99 1.03 .98 1.06 .92 1.30 1.30 .81	.82 .84 .87 .83 .90	.69 .71 .74 .70 .76 .93 .93 .58
532-531002B25 532-531102B00 532-531102B25 532-531202B00 532-531202B25 532-531302B00 532-531302B25 For TO-218 Case S 532-530101B10 532-530101B15 532-530401B15 532-530401B15	P Q Q Q Q Q Q tyles R R S T	Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, solid pins Extruded for HD application, no pins Extruded for HD application, no pins Extruded for HD application, solid pins Versatile high rise, twisted fins Versatile high rise, twisted fins Versatile high rise, staggered fins Solder pins for solder mounting	13.6 11.0 11.0 9.0 9.0 8.0 8.0 16.8 16.8 11.0	0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.750 0.500	1.380 1.380 1.380 1.380 1.380 1.380 1.380 1.750 1.750 1.750 1.380	1.500 1.500 2.000 2.000 2.500 2.500 1.750 1.750 1.500	1.08 1.12 1.16 1.10 1.20 1.04 1.47 1.47	.96 .99 1.03 .98 1.06 .92 1.30 1.30 .81	.82 .84 .87 .83 .90 .78 1.11 1.11	.69 .71 .74 .70 .76 .66 .93 .93



	Eia	Description	Dim	ensions	(In.)	Price Each			
STOCK NO.	rig.	Description	L	W	Н	1	25	100	1000
532-355452F267	W	Heat sink and fan for pentium CPU with clip	1.960	1.960	0.650	16.98	15.28	13.58	11.89
532-355455F267	W	Heat sink and 12V fan for pentium CPU with clip	1.960	1.960	0.650	16.98	15.28	13.58	11.89

THERMALLY CONDUCTIVE ADHESIVE AND COMPOUND

MOUSER	Fig.	Description	Ther Res	Dielectric	Thermal		Price	Each	
STOCK NO.	rig.	Description	(°C/W)	Strength	Conductivity	1	10	100	500
532-100500F00	Х	Thermally conductive compound	5 oz.	250	5.2	22.50	19.94	16.94	14.32
532-161000F00	Y	2-part thermally conductive adhesive	10 g	410	6.1	9.03	8.01	6.80	5.75







Replacement Semiconductors

The most popular SK products are listed. Thousands of other SK products are in stock, too many to list. Please call your local Mouser Sales Representative.

SK SERIES SOLID STATE REPLACEMENT **CROSS REFERENCE DISK**

In seconds, you can use your PC to punch up the perfect replacement for over 234,000 of the most commonly specified semiconductors from a selection of more than 3,500 replacements.

- · Description next to part numbers
- Technical notes below descriptions
 Ability to scroll through entire cross reference
- Transfer complements, matched pairs, matched complementary pairs listed in description

Computer Requirements:

- Operates on IBM-PC or compatible that has 640K of RAM, at least 12.5 megabytes of hard disk space and a 3.5" high density floppy disk drive
- DOS or Windows compatible

Software (Does Not Include Pinout or Diagrams)

MOUSER	Disk	Price
STOCK NO.	Type	Each
599-DK1	HD 1.44M 3.5"	5.00

	For quantities greater than listed ca	II for quote
MOUSER STOCK NO.	Description	Price Each
		1-99
599-SK2A5	DO-35 2.5V 0.5W Zener	0.62
599-SK2A7	DO-35 2.7V 0.5W Zener	0.62
599-SK5A1	DO-35 5.1V 0.5W Zener	0.62
599-SK5A6	DO-35 0.5W 5.6V Zener DO-35 6.2V 0.5W Zener	0.62
599-SK6A2 599-SK6V2	DO-35 6.2V 0.5W Zener	0.62 0.92
599-SK6X2	DO-35 TW 6.2V Zener	2.18
599-SK7X5	DO-35 7.5V 5W Zener	2.18
599-SK8A2	DO-35 8.2V 0.5W Zener	0.62
599-SK9A1	DO-35 9.1V 0.5W Zener	0.62
599-SK10A	DO-35 10.0V 0.5W Zener	0.62
599-SK12A	DO-35 0.5W 12V Zener	0.62
599-SK15A	DO-35 15.0V 0.5W Zener	0.62
599-SK15X	DO-27 5W 15V Zener	2.18
599-SK16A	DO-35 16.0V 0.5W Zener DO-35 16.0V 1W Zener	0.62
599-SK16V 599-SK18A	DO-35 16.0V 1W Zener DO-35 0.5W 18V Zener	0.92 0.62
599-SK20A	DO-35 0.5W 16V Zener	0.62
599-SK20X	DO-27 20.0V 5W Zener	2.18
599-SK24A	DO-35 24.0V 0.5W Zener	0.62
599-SK24V	DO-35 24.0V 1W Zener	0.92
599-SK27A	DO-35 27.0V 0.5W Zener	0.62
599-SK27V	DO-35 27.0V 1W Zener	0.92
599-SK29V	DO-35 Zener Diode 29V 1W	0.89
599-SK36X	DO-27 5W 36V Zener	2.18
599-SK43A 599-SK43X	DO-35 43.0V 0.5W Zener DO-27 43.0V 5W Zener	0.62 2.18
599-SK82X	DO-27 43.0V 5W Zener	2.18
599-SK91A	DO-35 91V 0.5W Zener	0.62
599-SK110V	DO-35 110V 1W Zener	0.92
599-SK150A	DO-35 150V 0.5W Zener	0.62
599-SK180A	DO-35 0.5W 180V Zener	0.62
599-SK184	DO-4 10W 50V Zener	6.11
599-SK185	DO-4 50V 10W Zener	6.11
599-SK401B	Radial Trans Surge Supp	7.92
599-SK403B 599-SK411	Radial Trans Surge Supp Radial Trans Surge Supp	8.78 12.99
599-SK548	DO-5 50W 17V Zener	10.63
599-SK556	DO-5 50W 22V Zener	8.52
599-SK558	DO-5 50W 24V Zener	10.92
559-SK590	DO-5 50W 62V Zener	9.73
599-SK814	DO-27 Thermal Cutoff 66°C	1.20
599-SK1802	DIP-40 8-BIT Microprocessor	10.83
599-SK1806	DIP-40 8-BIT Microprocessor	35.30
599-SK1822	DIP-22 256X4 BIT Static RAM DIP-24 128X8 BIT Static RAM	9.95
599-SK1823 599-SK1824	DIP-24 128X8 BIT Static RAM	18.29 6.11
599-SK1851	DIP-18 32/8 BIT Static RAIVI	11.55
599-SK1852	DIP-24 8-BIT I/O Port	2.50
599-SK1853	DIP-16 1-OF-8 Decoder	2.49
599-SK1854	DIP-40 2-Mode UART	7.92
599-SK1855	DIP-28 8-BIT Prog MDU	13.79
599-SK1864	DIP-40 Color TV Intrface VDC	13.89
599-SK1871	DIP-40 Keyboard Encoder	7.65
599-SK1872	DIP-22 Hi-Speed 8-BIT In Port	4.49
599-SK1874 599-SK1875	DIP-22 Hi-Speed 8-BIT In Port	4.49
599-SK1875 599-SK1878	DIP-22 Hi-Spd 8-BIT Outport DIP-28 Dual Counter-Timer	4.49 12.05
599-SK1881	DIP-28 Dual Counter-Timer DIP-20 Lat & Mem Dec Inter	4.19
599-SK2006A	L-008 Infrared Emit Diode	2.36
599-SK2007	T-1 Red LED	0.50
599-SK2020	T-1 3/4 Flooded Red	0.61

For quantities greater than listed call for quote

MOUSER STOCK NO.	Description	Price Each 1-99
599-SK2023	T-1 3/4 Diffused Org	1.29
599-SK2025	T-1 3/4 Red LED	0.67
599-SK2035A	L-013 NPN Photo Trans	1.98
599-SK2041	NPN Photo Transistor	1.89
599-SK2042	DIP-6 NPN Photo Transistor	1.57
599-SK2046	Photo Thyristor SCR	1.60
599-SK2064	.3" Yel Display Ca LHDP	3.25
599-SK2079	.56" Red Display CC RHDP	3.15
599-SK2086	NPN Photo Transistor	3.65
599-SK2087	NPN Photo Transistor	9.80
599-SK2111	Red LED Bargraph	6.20
599-SK2214	1K x 4 SRAM 450ns	12.10
599-SK2716	2K x 8 UVEPROM 450nS	13.76
599-SK3004	TO-1 PNP Power Out Stg	1.90
599-SK3007A	TO-1 PNP AF Out Stg	4.85
599-SK3009	TO-3 PNP Gen Pur Hi-Pwr	8.30
500_SK2017B	600V 1A Rectifier	1 46

599-SK2035A	L-013 NPN Photo Trans	1.98
599-SK2041 599-SK2042	NPN Photo Transistor DIP-6 NPN Photo Transistor	1.89 1.57
599-SK2042 599-SK2046	Photo Thyristor SCR	1.60
599-SK2064	.3" Yel Display Ca LHDP	3.25
599-SK2079	.56" Red Display CC RHDP	3.15
599-SK2086	NPN Photo Transistor	3.65
599-SK2087	NPN Photo Transistor	9.80
599-SK2111 599-SK2214	Red LED Bargraph 1K x 4 SRAM 450ns	6.20 12.10
599-SK2716	2K x 8 UVEPROM 450nS	13.76
599-SK3004	TO-1 PNP Power Out Stg	1.90
599-SK3007A	TO-1 PNP AF Out Stg	4.85
599-SK3009	TO-3 PNP Gen Pur Hi-Pwr	8.30
599-SK3017B 599-SK3020	600V 1A Rectifier TO-39 NPN Small Signal	1.46 1.73
599-SK3026	TO-66 NPN Audio Out	2.95
599-SK3027	TO-3 NPN Audio Out	3.90
599-SK3028	TO-66 NPN Audio Out	5.89
599-SK3031A	GE-3 Gen Pur Diode 400V	0.79
599-SK3043B 599-SK3049	DO-15 Gen Pur 1000V TO-39 NPN Transmitter Out	3.45 8.55
599-SK3050	TO-72 N-Chan MOSFET	2.93
599-SK3051P10	DO-201 AD GP 1000V	1.05
599-SK3054	TO-220 NPN Gen Pur	2.99
599-SK3065	TO-72 N-CH Mosfet	4.86
599-SK3067	12.4KV Hi-Volt Rect DIP-16 Chroma Demod	3.30 7.29
599-SK3074 599-SK3081P100	DO-41 Gen Pur 1000V	0.79
599-SK3083	TO-220 PNP Vert Defl Amp	2.72
599-SK3090	DO-7 100V 0.2A Rect	0.65
599-SK3100	DO-35 Fast Rec Rect 75V	0.99
599-SK3100P10	DO-35 Fast Rec 75V TO-39 NPN TV Drvr/Out	0.99 2.15
599-SK3104A 599-SK3112	TO-92 N-Chan JFET	2.15
599-SK3114A	TO-92 PNP AF Power Amp	1.38
599-SK3117	TO-72 NPN RF/TV/VHF	2.10
599-SK3118	TO-92 PNP AM/FM Stg	1.10
599-SK3122 599-SK3123	TO-92 NPN AM/FM Stg TO-8 PNP AF Amp	1.60
599-SK3124A	TO-92 NPN AF Power Amp	9.08 1.32
599-SK3130	DO-1 1500V 1Amp Rect	1.40
599-SK3137	TO-92 NPN AF Med Pwr STG	1.80
599-SK3159	DIP-14 FM Multi Decoder	6.19
599-SK3178B 599-SK3180	TO-202 NPN AF Med Pwr TO-220 NPN Darl Amp	3.65 2.62
599-SK3182	TO-3 NPN Darl Amp	3.48
599-SK3189A	TO-220 PNP AF Hi-Power	5.25
599-SK3190	TO-126 NPN AF Hi-Power	2.10
599-SK3194	TO-66 NPN Horiz Out	8.45
599-SK3197 599-SK3199	TO-220 NPN RF Out Stage TO-202 NPN AF Med Power	6.30 2.41
599-SK3226	DIP-16 Chroma Demod	11.45
599-SK3227	DIP-16 Chroma Sig Pro	9.68
599-SK3244	TO-92 NPN TV Video Out	1.30
599-SK3245 599-SK3246A	TO-92 NPN AF Preamp TO-92 NPN Broadcast Rcvr	0.95 1.74
599-SK3246A 599-SK3248	TO-220 NPN AF Driver/Out	2.55
599-SK3259	TO-39 PNP Driver/Out	3.15
599-SK3261	TO-66 NPN High Volt	3.50
599-SK3265	TO-39 NPN Driver/Out	2.00
599-SK3275 599-SK3286	TO-92 NPN High Voltage DIP-16 Chroma Sig Pro	1.05 8.35
599-SK3293	TO-92 NPN AM/FM Stage	1.60
599-SK3297	TO-3 NPN Aud Out	6.30
599-SK3300	Hi-Volt Multiplr 40KV	27.95
599-SK3306 599-SK3311	DIP-8 Hi-Speed Op Amp DO-41 1A 200V Rectifier	18.42 0.30
599-SK3311	DO-41 1A 400V Rectifier	0.30
599-SK3313	DO-41 1A 400V Rectifier	0.35
599-SK3318A	DO-15 Fast Rec 600V	2.75
599-SK3322	DO-35 Fast Rec 30V	2.69
599-SK3323	Var Diode 30V 280MW TO-92 PNP GP Hi-Volt	1.03
599-SK3434 599-SK3438	TO-92 PNP GP HI-VOIT	0.98 8.95
599-SK3440	TO-220 NPN AF Power	2.97
599-SK3441	TO-220 PNP AF Power	3.25
599-SK3444	TO-18 NPN Gen Pur SS	1.39

♦ Surface Mount Device

	 Surface Mount 	Devic
	For quantities greater than listed ca	II for quot
MOUSER STOCK NO.	Description	Price Each 1-99
599-SK3456	DIP-16 4W Audio Amp	7.09
599-SK3465	DIP-8 Dual Op Amp	3.65
599-SK3466	TO-92 PNP AF Med Power	1.64
599-SK3479 599-SK3503	TO-92 NPN Med Power TO-5 600V 7A SCR	1.25 5.13
599-SK3523	DO-35 2.0A 28-36V Diac	1.35
599-SK3527	TO-3 Sw Rect 600V	10.13
599-SK3529	TO-39 NPN Hi-Volt Sw	4.19
599-SK3538	TO-66 NPN Sw Trans	4.75
599-SK3543 599-SK3552	DIP-14 Transistor Array	4.80 0.99
599-SK3552 599-SK3564	DIP-8 Single Op Amp DIP-8 Timer/Osc	1.79
599-SK3574	TO-220 200V 16A SCR	4.50
599-SK3577	TO-5 200V 100A SCR	4.20
599-SK3591	TO-220 +5V Fixed Reg	3.50
599-SK3593 599-SK3594	TO-220 +15V Fixed Reg DIP-14 Quad Op Amp	3.60 6.95
599-SK3597	TO-220 2.2A 200V SCR	1.45
599-SK3599	DO-4 6A 4400V Rect	4.00
599-SK3617	TO-5 Prog Power Sw	3.57
599-SK3625	TO-66 PNP AF/Power	5.25
599-SK3626 599-SK3629	TO-66 NPN Power Sw TO-3 +5V Fixed Reg	3.22 5.99
599-SK3630	TO-220 +8V Fixed Reg	3.35
599-SK3638	TO-92 0.8A 100V SCR	1.12
599-SK3642	TO-3 PNP Power Sw	20.95
599-SK3645	TO-5 Single Op Amp	8.45
599-SK3647 599-SK3662	200V 2A Full Wave Bridge 400V 40A Triac	2.12 16.75
599-SK3670	TO-220 +24V Fixed Reg	3.55
599-SK3671	TO-220 -5V Fixed Reg	4.80
599-SK3674	TO-220 -15V Fixed Reg	4.90
599-SK3678 599-SK3680	2A 600V FW Bridge 25A 200V FW Bridge	3.05 5.81
599-SK3688	DIP-14 Op Amp	2.60
599-SK3693	TO-5 Timer/Osc	2.59
599-SK3697	DIP-14 Hi-Volt Array	2.50
599-SK3711	DIP-14 Lo-Level Video Det	9.40
599-SK3712 599-SK3715	SIP-9 Phase Comparator TO-92 PNP AF Driver/Out	2.78 1.75
599-SK3722	TO-39 PNP AF Driver	3.42
599-SK3730	DIP-14 4.2W Audio Amp	8.18
599-SK3746	TO-92 P-Chan JFET	1.95
599-SK3747 599-SK3829	TO-126 NPN Power Out DIP-16 FM IF Amp	2.30 6.90
599-SK3831	TO-92 + 6V Volt Reg	2.09
599-SK3835	TO-1 NPN AF Driver	2.02
599-SK3841 599-SK3842	TO-92 PNP AF Power Amp	1.63
599-SK3846	TO-92 NPN Power Amp TO-3 PNP AF Power Out	1.29 10.95
599-SK3847	TO-39 NPN Power Amp	3.89
599-SK3849	TO-92 NPN AF Power Amp	1.64
599-SK3854	TO-92 NPN Gen Pur SS	1.17
599-SK3861 599-SK3866A	TO-39 NPN AF Power Amp NPN AF Pre-Driver	5.16 2.90
599-SK3871	4W 35KV Hi-Volt Div	10.13
599-SK3891	DIP-8 Atten For DC Op	3.50
599-SK3892	DIP-14 FM Phase Detect	3.20
599-SK3893 599-SK3896	TO-220 NPN Medium Power TO-220 NPN Power Amp	2.39 2.14
599-SK3897	TO-220 NPN Power Amp	2.14
599-SK3899	TO-92 NPN Pre-Amp	1.05
599-SK3929	TO-220 NPN Medium Power	3.05
599-SK3932	TO-92 PNP AF / RF Hi-Volt	1.40
599-SK3942 599-SK3947	TO-64 200V 90A SCR TO-3 NPN Hi-Power Audio	14.32 7.95
599-SK3971	TO-5 Hi-Speed Diff Com	4.77
599-SK3977	TO-72 N-Chan JFET	2.68
599-SK3987	8A 400V FW Bridge	4.10
599-SK3996 599-SK3997	TO-126 NPN Audio Amp TO-126 PNP Audio Amp	2.18 2.41
599-SK4002B	Dual 4-Input NOR Gate	0.73
599-SK4007UB	Dual Comp Inverter	0.79
599-SK4011B	Quad 2-Input NAND Gate	1.01
599-SK4069UB	Hex Inverter	0.82
599-SK4541B 599-SK4802	CMOS Programmable Timer TO-39 Gen Pur Amp 2.9V	2.43 8.80
599-SK4803	IC-143 Gen Pur Amp 3.2V	13.46
599-SK4804	TO-39 Gen Pur Amp 5V	13.39
599-SK4815	SIP-10 15W AF Power Amp	6.78
599-SK4909 599-SK4918	TO-220AB NPN Horz Defl Circ 400V 4 Amp Triac	5.50 3.48
599-SK4929	SCR Optoisolator	3.46





NPN Audio Driver/Out

TO-92 NPN Video Amp

TO-92 PNP Audio Driver/Out

1.64

1.54

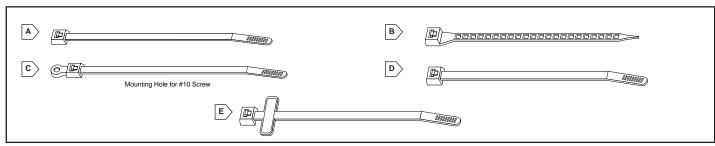
599-SK3449

599-SK3450

599-SK3452

Dennison $^{\! ^{\otimes}}$

Cable Mounting Hardware



BAR-LOK® CABLE TIES

Features:

Miniature Ties

- Manufactured of 100% nylon
- Bent-tip design for ease of handling and installation
- Maximum holding ability

File No. E57800

.30 .230 .116

For quantities greater than listed, call for quote

Specifications:

- Type 6/6 nylon
- Self-extinguishing UL94 flam., class: V-2
 Meet MIL-S-23190, MS3367, ASTM D 4066-82
- Operating temperature: -40°C to 85°C
- Heat stabilized: -40°C to 105°C

Screw Mount-Standard Ties

For quantities greater than listed, call for quote.

MOUSER	Fig.	Style	Tensile Strength	Length	Max. Bundle	P	rice Ea	ch
STOCK NO.	rig.	Style	(Lbs.)	(In.)	Dia. (In.)	1	100	1000
514-08484-1	С	Natural	50	7.5	1 3/4	.22	.179	.086
514-10350	С	Natural	50	11	3	.27	.210	.100

Slim Line Ties

For quantities greater than listed, call for quote.

MOUSER	Fig.	Style	Tensile Strenath	Length	Max. Bundle	P	rice Ea	ch
STOCK NO.	i ig.	Style	(Lbs.)	(ln.)	Dia. (In.)	1	100	1000
514-10325	D	Natural	18	8	2 1/8	.06	.050	.027
514-10327	D	Black, weather resist.	18	8	2 1/8	.08	.060	.027
514-10335	D	Natural	40	15	4	.23	.170	.082

MOUSER	Fig.	Style	Tensile Strenath	Length	Max. Bundle	P	rice Ea	ch
STOCK NO.	rig.	Style	(Lbs.)	(In.)	Dia. (In.)	1	100	1000
514-08429	Α	Natural	18	3.25	5/8	.05	.035	.017
514-08432	Α	Natural	18	4	7/8	.05	.038	.018
514-08433	Α	Black, weather resist.	18	4	7/8	.05	.032	.014

intermediate i les				For qu	uantities great	er than li	sted, call	for quote.
514-08376	Α	Natural	40	5.5	1 1/4	.07	.056	.026
514-08377	Α	Natural	40	8	2 1/8	.10	.077	.037
514-08380	Α	Black, weather resist.	40	8	2 1/8	.10	.077	.037
514-08680	Α	Purple	40	8	2 1/8	.10	.077	.037

c	Standard Hes						ci iliali il	sieu, caii	ioi quote.
Γ	514-08387	Α	Natural	50	7.5	1 3/4	.09	.040	.032
ŀ	514-08600	Α	Natural	50	11	3	.22	.179	.083
ŀ	514-10036	Α	Natural	50	15	4	.30	.230	.116

15

Ladder Ties				For qu	uantities great	er than li	sted, call	for quote.
514-08472	В	Black, heat stabilized	40	7	1 3/4	.07	.063	.028
514-08476-1	В	Natural	40	7	1 3/4	.10	.068	.033
514-08477-1	В	Natural	40	11	3	.10	.092	.044

Miniature Identification Ties

Features:

- · Mark on textured tab with cable tie
- marking pen (sold separately) · Can be heat stamped
- Specifications:
- Type 6/6 nylon Self-extinguishing - UL94 flam., class: V-2
- Designed in accordance with MIL-S-23190 and MS 3368

For quantities greater than listed, call for quote.

File No. E57800

	MOUSER	Fig.	Style	Strength	Length	Max. Bundle	P	rice Ea	ch
	STOCK NO.	rig.	Style	(Lbs.)	(In.)	Dia. (In.)	1	100	1000
	514-08412	Е	Natural, ID	18	4	7/8	.17	.130	.062
ľ									

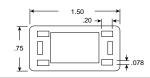
CABLE TIE ID PLATE (NYLON)

514-10037 A Black, weather resist. 50

Features:

For convenient tagging of wire bundles and cables





DIMENSIONS (IN.)

MOUSER	Price Each							
STOCK NO.	1	100	1000	10000				
514-08457-1	.28	.147	.105	Call				

BAR-LOK® CABLE TIE MOUNTS

Features:

- Natural nylon (type 6/6)
- Accommodates minimal space limitations
- Push-in mount (fig. D) requires .25" mounting hole
- Slips through slot easily and is securely contained for easy assembly and tensioning

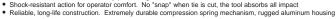
MOUSER		December 1997		Price	Each	
STOCK NO.	Fig.	Description	1	100	500	1000
514-08462-1	Α	1" adhesive 4-way mount for mini and standard ties	.50	.252	.189	
514-10045-1	В	#8 screw size, cradle mount, for standard ties	.26	.137	.100	Call
514-10046-1	В	#10 screw size, cradle mount, for heavy duty ties	.33	.168	.126	For
514-10027-1	С	#8 screw size, ANC base mount, for standard ties	.20	.098	.075	Quote
514-10028-1	С	#10 screw size, ANC base mount, for standard ties	.22	.116	.086	
514-10056-1	D	Push-in mount, for standard ties	.25	.126	.096	

CABLE TIE INSTALLATION TOOL

В

Features:

- · Adjustable, pre-set tension results in uniform cable tie application, neater bundles, more efficient harnessing
- Slim nose construction, allows easy positioning in hard-to-reach areas or on intricate harnesses
 Shock-resistant action for operator comfort. No "snap" when tie is cut, the tool absorbs all impact



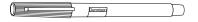


MOUSER STOCK NO.	Price Each
514-08480	109.95

CABLETIE MARKING PEN

Features:

· Smear-proof and waterproof ink for writing on all nylon surfaces

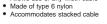


MOUSER	Description	Price Each				
STOCK NO.	Description	1	6	12		
514-08506	Cable tie marking pen, with extra-fine tip, black ink	7.68	6.40	Call		

CABLE CLIP

Features:

Allows use of any width cable







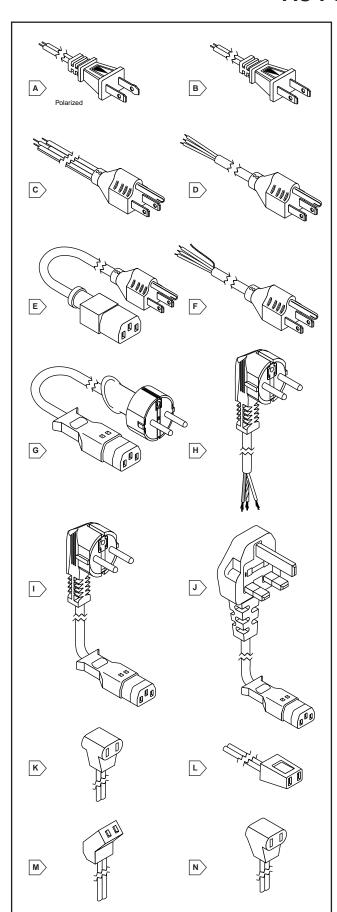


MOUSER	Description	Price Each				
STOCK NO.	Description	1	100	500	1000	
514-08406	High quality, durable, non-conductive cable clip	.58	.30	.22	Call	





AC Power Cords



POWER SUPPLY CORDS

Both two and three conductors types are offered in 6', 7 1/2', and 8' lengths with molded, low profile, crush resistant, NEMA 1-15P or 5-15P plugs. 18 AWG types are rated 125V, 1250 watts. 16 AWG type is rated 125V, 1625 watts. 14 AWG type is rated 125V, 1875 watts. All are UL listed and CSA certified.

Specifications:

173-31102

 Temperature: 60°C · Rated:

AWG Volts 125 125 125 Amps Watts 10 13 15 1250 1625 1875

Features:

- Economical and efficient
- Mechanical performance meets OEM requirements





NEMA 1-15P Plug

 Excellent resistance to abrasion and blade wear requirements UL listed CSA certified

1.17

1.11

Black

Two Conductor Types

MOUSER	Fig.	Replaces	Size	Type	Rating @	Lenath	Color		Price	Each	
STOCK NO.	i ig.	Belden#	Oize	Турс	125V (A)	Longin	00101	1	10	100	500
173-11112	Α		18/2	SPT-1	10	6'	Black	.88	.83	.78	.74
173-11102	В		18/2	SPT-1	10	6'	Black	.88	.83	.78	.74
173-11123	В		18/2	SPT-1	10	6'	Brown	.88	.83	.78	.75

10

Three Conductor Types

NEMA 5-15P Plug

1.05

173-33121	С		18/3	SPT-2	10	6'	Gray	2.15	1.78	1.62	1.46
173-33101	С		18/3	SPT-2	10	6'	Black	2.15	1.78	1.62	1.46
173-53101	D	17237	18/3	SVT	10	6'	Black	2.80	2.33	2.12	1.90
173-53102	D	17239	18/3	SVT	10	8'	Black	3.37	2.80	2.54	2.29
173-53121	D	176237	18/3	SVT	10	6'	Gray	2.80	2.33	2.12	1.90
173-73101	D	17405	18/3	SJT	10	6'	Black	2.88	2.39	2.17	1.96
173-73102	D	17407	18/3	SJT	10	8'	Black	3.59	2.98	2.71	2.44
173-75102	D		16/3	SJT	13	8'	Black	3.39	2.82	2.56	2.30
173-78101	D		14/3	SJT	15	6'	Black	4.33	3.59	3.27	2.94

Three Conductor Detachable AC Cord Set

18/2

SPT-2

NEMA 5-15P Plug

173-63101	Е	17250	18/3	SVT	10	7'6"	Black	3.98	3.34	2.99	2.70
173-63102	Е		18/3	SVT	10	8'	Black	4.16	3.45	3.14	2.82
173-63121	Е	17250	18/3	SVT	10	7'6"	Gray	3.98	3.34	2.99	2.70

Voltage

Rating

Length

Color

Black

3.70

Three Conductor Shielded Power Cords

Replaces

Belden#

Control the error-generating effects of ambient electrical interference.

Low profile molded plugColor code: CEE

MOUSER

STOCK NO.

100% foil shield

AWG

Strand

- · Drain wire terminated to ground pin of plug High stranding for extended flexibility

UL

Type

SVT



NEMA 5-15P Plug



2.51

Price Each 10 100 500

3.08

173-53100	F	17740	18	41/34	SVT	300V	6'7"	ı				
INTERNATIONAL POWER CORDS												

Continental Europe

Fig.

Conductors: 3 x 1.00(mm²)

2.80

STOCK NO. Belden# 250V (A) (Meters) 1 10 100 500 562-364002 G 17811 HO5VV-F 10 2.5 Black 5.00 4.50 4.10 3.76 562-366003 H 17811 HO5VV-F 10 2.5 Black 4.24 3.82 3.48 3.16	١	MOUSER	Fig.	Replaces	Cord Type	Rating @	Length	Color		Price	Each	
562-366003 H 17811 HO5VV-F 10 2.5 Black 4.24 3.82 3.48 3.16	١	STOCK NO.	ı ıg.	Belden#	Cord Type	250V (A)	(Meters)	00101	1	10	100	500
10 2.0 Black 1121 6102 6110 6110	Ī	562-364002	G	17811	HO5VV-F	10	2.5	Black	5.00	4.50	4.10	3.76
Eac agree		562-366003	Н	17811	HO5VV-F	10	2.5	Black	4.24	3.82	3.48	3.16
562-367001 1		562-367001	- 1		HO5VV-F	10	2.5	Black	6.21	5.60	5.10	4.64

United Kingdom

Conductors: 3 x 1.00(mm²)

MOUSER	Fig.	Replaces	Cord Type	Rating @	Length	Color		Price	Each	
STOCK NO.	ı ıg.	Belden#	Cord Type	250V (A)	(Meters)	COIOI	1	10	100	500
562-370001	J	17965	HO5VV-F	10	2.5	Black	11.30	10.23	9.30	8.22

FAN POWER CORD

Designed for use with the Agusta 4.69° AC Tubeaxial fans. Can be used with all AC fans using .110° x .020" faston terminals with .3125" spacing. Temperature rating: 105°C (max).



LL38816

MOUSER Fig.	AWG	Cord Type	pe Termination Length			Price	Each	
STOCK NO.	AVVO	Cold Type	Terrimation	Lengin	1	10	25	50
432-6101 K	18	SPT-1	T-type	2'	1.78	1.57	1.43	1.30



High quality fan power cords designed to be used with Tubeaxial fans. Strain relief is incorporated for added safety



Specifications:
UL rated 10A / 125VAC
Temperature range: 105°C
CSA rated 7A / 125VAC





E118750 LR5884-5M

MOUSER	Fig.	Style	Cord Type	Voltage	Lenath	Color	Price Each		Each	1
STOCK NO.	ı ıg.	Otyle	Cold Type	Rating	Lengui	COIOI	1	10	25	50
562-07100-24	L	Straight	SPT-1	300V	2'	Black	1.36	1.26	1.18	1.10
562-07145-24	M	45°	SPT-1	300V	2'	Black	1.36	1.26	1.18	1.10
562-07190-24	N	90°	SPT-1	300V	2'	Black	1.36	1.26	1.18	1.10
562-07199-24	K	T-Plug	SPT-1	300V	2'	Black	1.36	1.26	1.18	1.10







Potentiometers, Encoders, Resistor Box, and Trimmers

CONDUCTIVE PLASTIC **POTENTIOMETERS**

The 1/8" diameter screwdriver slotted shaft is 3/4" long and the 1/4" diameter bushing is 1/4" in length and has 1/4-32 NEF-2A thread.

Specifications:

- Tolerance: ±10%
- Working voltage: 350 VDC

1 Watt,	1 Watt, 5/8" Diameter				
Value Ω	MOUSER STOCK NO.				
1K	560-381N-1K				
5K	560-381N-5K				
10K	560-381N-10K				
50K	560-381N-50K				
100K	560-381N100K				

D. 1

Superior dynamic noise

Features:

· Long rotational life

	Price	Each	
1	10	50	100
10.96	9.64	8.32	5.63

The 381NS is the same as the 381N except it has a S.P.S.T. switch included

1 Watt, 5/8" Diameter

Value Ω	MOUSER STOCK NO.
1K	560-381NS-1K
5K	560-381NS-5K
10K	560-381NS-10K
50K	560-381NS-50K
100K	560-381NS100K



Price Each					
1	10	50	100		
20.40	17.91	15.33	10.30		

SWITCHES

For use with A47 Pick-A-Shaft Series at the top center.



MOUSER		Price Each		
STOCK NO.	Description	1	10	50
	SPST 3A-125 VAC	3.44	3.23	3.12
560-SWE-20	DPST 3A-125 VAC	3.44	3.23	3.12

PICK-A-SHAFT, CONDUCTIVE PLASTIC POTENTIOMETERS

"Pick-A-Shaft" controls allow the user to select from the variety of shaft types listed below. Also a S.P.S.T. or D.P.S.T. switch, listed at the left, may be added if needed.

Features:

Specifications:

- Resistance tolerance: ±10%
- Power rating: linear 0.5 watts @ 70°C audio 0.25 watts @ 70°C
- Effective rotation: 270° ±10° with and without switch
- . Electrical rotation: 300° +5° with
- and without switch Working voltage: 500 VDC max., but power not to exceed rating

.5 Watt, 1" Diameter

	,	
	Value Ω	MOUSER STOCK NO.
	1K	560-A47-1K
	5K	560-A47-5K
	10K	560-A47-10K
ķ	10K	560-A47-10KZ
	50K	560-A47-50K
	100K	560-A47-100K

2% dynamic noise 25,000 cycle rotational life Wire wrap terminals



* Audio tape

	Price	Each	
1	10	50	100
5.76	5.40	5.22	Call

PICK-A-SHAFT WIREWOUND POTENTIOMETERS

"Pick-A-Shaft" controls allow the user to select from the variety of shaft types listed below

Specifications: Features:

- Tolerance: ±10%
- Power rating: 2 watts

Ω

100

500

1K

5K

10K

- Effective rotation: 280° ±5° Electrical rotation: 300° ±5° with
- and without switch

2 Watt, 1 1/8" Diameter

MOUSER

STOCK NO.

560-A43-50

560-A43-100

560-A43-500

560-A43-1K

560-A43-5K

560-A43-10K 560-A43-50K

Economical

- Versatile shaft configurations
- Solder terminals

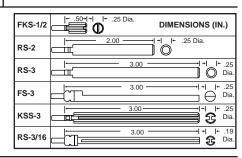


Price Each					
1	100				
13.36	12.53	12.11	Call		

1	10	50	100
13.36	12.53	12.11	Call
19.44	18.23	17.62	Call

SHAFTS

r or quartities grouter than notes, can for quote.					
MOUSER		Price Each			
STOCK NO.	Description	1	10	50	
560-FKS-1/2	Fine-knurled, slotted	1.68	1.65	1.52	
	shaft, 1/2" long				
560-RS-2	Round shaft, 2" long	1.68	1.65	1.52	
560-RS-3	Round shaft, 3" long	1.68	1.65	1.52	
560-FS-3	Flatted shaft, 3" long	1.68	1.65	1.52	
560-KSS-3	Knurled, split shaft,	1.68	1.65	1.52	
	3" long				
560-RS-3/16	Round slotted, 3/16"	1.68	1.65	1.52	
	diameter, 3" long				



For quantities greater than listed, call for quote

1 1.68	10 1.65	50
1.68	1.65	4 50
		1.52
1.68	1.65	1.52
1.68	1.65	1.52
1.68	1.65	1.52
1.68	1.65	1.52
1.68	1.65	1.52
	1.68	1.68 1.65 1.68 1.65

MECHANICAL ENCODER

The Series 388EN is a high performance mechanical contact encoder which produces a digital 2-bit gray code. It is provided with an 1/8" diameter screwdriver slotted shaft and a 1/4" diameter bushing 1/4" in length with 1/4-32-NEF-2A



Features:

- Compact: 1/2" miniature,
- High resolution: precision screen printed conductive plastic element. 2-bit gray code in 4 pulse/16 detent and 6 pulse/24 detent

- dust-free, modular size

S	pecific	ations:
•	Output:	2-bit gray

- code, channel L leads channel R by 90° electrically in CW direction Contact rating: 5 VDC @ 5 mA
- Bounce: 5 ms/cycle @ 15 RPM
 Electrical travel: continuous
- · Rotational life: 100,000 shaft

1/2" Square

MOUSER STOCK NO.		Price Each			
	Description	1	10	50	
560-388EN-4P 560-388EN-6P	4 pulse/16 detent 6 pulse/24 detent	15.35 16.35	12.80 13.65	10.20 10.85	

MECHANICAL ROTARY ENCODER

The Series 500EN Controls are manually operated, rotary, mechanical encoders. Bushing is 3/8" diameter x 1/4" long, double flat .320". The shaft is 1/4" diameter x 3/4" FMS, .216" x 3/8" long flat. It can be panel mounted by the 3/8" diameter bushing or board mounted with the use of an optional 500-BKT bracket

- Cost effective: direct digital output, which eliminates A/D converters
- High resolution: up to 36 electrical and mechanical
- detented positions
- Variability: horizontal or vertical mountings relative to the PC board

- Output: 2-bit gray code, channel L leads channel R by 90° electrically in CW direction. 4-bit gray code, absolute electrical position output
- Bounce: 5 ms/cycle @ 15 RPM Electrical travel: continuous
- Electrical travel: continuous
 Rotational life: 100,000 detented cycles



C2 Type PC Pins Shown

ı	MOUSER No. of Bits		No. of Mechanical	Terminal Mounting	Price Each			
l	STOCK NO.	(Gray Code)	Detents/Revolution	Detents/Revolution (From Center Line)		10	50	
l	560-500EN-204P-B1	2-bit	4 cycles/rev., 16 detents/rev.	.615" ± .005" extending down	5.15	4.30	3.40	
ı	560-500EN-204P-C2	2-bit	4 cycles/rev., 16 detents/rev.	.625" ± .007" extending to back	5.65	4.80	3.90	
ı	560-500EN-206P-B1	2-bit	6 cycles/rev., 24 detents/rev.	.615" ± .005" extending down	5.15	4.30	3.40	
ı	560-500EN-206P-C2	2-bit	6 cycles/rev., 24 detents/rev.	.625" ± .007" extending to back	5.15	4.30	3.40	
ı	560-500EN-412P-B1	4-bit	12 elect. pos./rev., 12 detents/rev.	.615" ± .005" extending down	5.70	4.75	3.80	
ı	560-500EN-412P-C2	4-bit	12 elect. pos./rev., 12 detents/rev.	.625" ± .007" extending to back	5.70	4.75	3.80	
ı	560-500EN-209P-B1	2-bit	9 cycles/rev., 36 detents/rev.	.615" ± .005" extending down	5.15	4.30	3.40	
ı	560-500EN-209P-C2	2-bit	9 cycles/rev., 36 detents/rev.	.625" ± .007" extending to back	5.15	4.30	3.40	
ı	560-500EN-416P-B1	4-bit	16 elect. pos./rev., 16 detents/rev.	.615" ± .005" extending down	5.70	4.75	3.80	
l	560-500EN-416P-C2	4-bit	16 elect. pos./rev., 16 detents/rev.	.625" ± .007" extending to back	5.70	4.75	3.80	

560-500BKT PC mounting bracket for use with 500EN Series above .75 .65 .50

OPTICAL ROTARY ENCODER

The Series 600EN controls are manually operated, rotary optical encoders that output two square waves in quadrature at a rate of 128 pulses per channel per revolution.

Features:

- Cost effective: elimination of A/D converters Stainless steel shaft and nickel-plated bushing
- Specifications: Input power: 5V DC ±5% @ 30mA max.
 Output rate: 128 pulses/rev. per channel
- Channels: 2 separate output channels in quadrature, 90° ±45° Rotational life: 10 million revolution min.



B66 Type Pins Shown

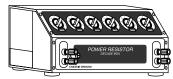
1 1/8" Diameter

,						
MOUSER		Price Each				
STOCK NO.	Mounting	1	10	50		
560-600EN-CBL	7 1/2" hook-up cable	42.63	35.53	28.22		
				27.10		
560-600EN-C24	Vertical adj., PC pins	40.90	34.10	27.10		

POWER RESISTOR DECADE BOX

The 240C is a must in electronic and electrical work when dealing with known or unknown resistances . . . selected or determined under active operational conditions.

 Provides any ohmage value, in 1Ω increments from 1 to 999,999Ω Power ratings to 225 watts maximum @ 1000 volts maximum



MOUSER STOCK NO.	Description	Price Each
560-240C	Decade box	1105.00

SINGLE-TURN, WIREWOUND TRIMMERS

The U80 Series is a shaftless, wirewound trimmer with the contact arm grounded to the housing. The design of terminals and mounting tabs allows choice of above chassis mounting or PC mounting. An inexpensive trimmer for industrial applications as well as replacement for TV and radio requirements.

Specifications:

- · Hardware: mounting plate supplied unassembled
- Effective rotation: 215°

2 Watt 77" Diameter

3 Wall,	.// Diameter
Value Ω	MOUSER STOCK NO.
50	560-U80-50
100	560-U80-100
500	560-U80-500
1K	560-U80-1K
5K	560-U80-5K



Price Each							
1	10	50	100				
1.92	1.80	1.74	Call				



Capacitors

158X SERIES - TYPE X2 SUPPRESSOR **METALLIZED POLYESTER FILM**

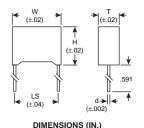
Features:

- UL 1414 and CSA Approved
- Flame retardant case meets UL 94V0
- Polyurethane end fill meets UL 94V0
- Used in applications where damage to the capacitor will not lead to the danger of electrical shock



Specifications:

- Operating temperature: -40°C to +100°C
- Voltage range: 250Vrms Tolerance: ±20%
- Lead material: tinned copper clad steel



Safety Agency	Standard	File Number
UL	UL-1414	E151554
UL	UL-1283	E151553
CSA	C22 2, No.8-M1986	LR37404-33M
VDE	VDE0565-1	18022-4670-1700
SEMKO	SS443-04-01	9308002
SEV	SEV1055	92.552158.01
EI	E384/14-82	
	(IEC384-14, 1981)	164090-01
DEMKO	Heavy Current Regulations	
	Section 21 and IEC384-14	112398EC/121
NEMKO	NEMKO132/85	M70107

For quantities greater than listed, call for quote

MOUSER	Value	Dimensions (In.)					Price Each			
STOCK NO.	(µF)	W	Т	Н	LS	d	1	100	500	1000
539-158X103	0.01	0.669	0.197	0.473	0.591	0.024	.76	.54	.46	.36
539-158X223	0.022	0.669	0.197	0.472	0.591	0.024	.76	.54	.46	.36
539-158X333	0.033	0.669	0.197	0.472	0.591	0.024	.76	.54	.46	.36
539-158X473	0.047	0.669	0.217	0.492	0.591	0.031	.81	.58	.49	.38
539-158X104	0.1	0.669	0.315	0.591	0.591	0.031	.85	.60	.51	.40
539-158X224	0.22	0.984	0.315	0.689	0.886	0.031	1.38	.98	.83	.60
539-158X334	0.33	0.984	0.394	0.768	0.886	0.031	1.76	1.25	1.06	.82
539-158X474	0.47	1.181	0.433	0.866	1.083	0.031	2.07	1.47	1.25	.96
539-158X684	0.68	1.181	0.531	0.965	1.083	0.031	3.13	2.23	1.89	1.46
539-158X105	1.0	1.201	0.630	1.102	1.083	0.039	3.82	2.73	2.31	1.78
539-158X225	2.2	1.614	0.689	1.280	1.476	0.039	7.56	5.39	4.09	3.35

BF SERIES MULTILAYER METALLIZED POLYESTER FILM

The industry standard upgrade for CK05 type ceramic capacitors

The Thomson multilayer film capacitors are a fully automated line of metallized miniature polyester film capacitors, featuring a proprietary multilayer film construction. These capacitors are especially well suited for printed circuits, coupling and decoupling of logic integrated circuits, filtering, timing, bypass, or in space-limited applications.

Features:

- · Space-saving multilayer film construction
- Superior electrical characteristics
- Recommended soldering conditions are:







Specifications:

- Operating Temperature: -55°C to 100°C derated @ 1.25% per °C from 85°C to 100°C
- Insulation resistance: > $10G\Omega$ typical ($4G\Omega$ min.)
- Dissipation factor: < 0.8% @ 1KHz

DIMENSIONS (IN.)

63 Volt ±10% Tolerance

For quantities greater than listed, call for quote

MOUSER	Value	Dim	nensions ((ln.)		Price	Each	
STOCK NO.	(µF)	W	Т	Н	1	100	500	1000
581-3N3K63	.0033	.295	.098	.256	.26	.17	.16	.14
581-22NK63	.022	.295	.098	.256	.26	.17	.16	.14
581-150NK63	.15	.295	.126	.315	.39	.26	.24	.22
581-220NK63	.22	.295	.126	.315	.44	.29	.27	.24
581-330NK63	.33	.295	.126	.315	.53	.35	.32	.29
581-470NK63	.47	.295	.197	.315	.67	.45	.41	.37
581-1000NK63	1.0	.295	.197	.315	1.31	.87	.80	.73
	•		•					

Dimensions (In.)

.098

.098

.098

.126

.197

.197

Н

.256

.256

.256

.315

.315

.315

.27

.28

.30

.58

.73

1.40

THOMSON PASSIVE COMPONENTS MC SERIES METALLIZED POLYESTER FILM

MC series metallized polyester film capacitors have a molded, flame retardant case with epoxy fill. All capacitors are marked on top of case in black with capacitance value, tolerance code and DC voltage. They have excellent capacity stability over a wide temperature range and are ideally suited for industrial and commercial equipment.

Specifications:

- Operating temperature: -55°C to +100°C derated
- @ 1.25% per °C from +85°C to +100°C
- Insulation resistance: ≥30,000 MΩ for C≤.33uF and V_R >100VDC \geq 10,000 M Ω for C≥.33 μ F and VR \geq 100VDC ≥10,000 MΩ for VR≥100VDC

(µF)

.068

.15

.22

.33

.47

68

1.0

W

.413

.512

.512

.512

.709

.709

709

• DF <1% at 1KHz @ 25°C

100 Volt ±10% Tolerance

MOUSER STOCK NO.

581-MC683K1B

581-MC104K1C

581-MC154K1C

581-MC224K1D

581-MC334K1F

581-MC474K1F

581-MC684K1G

581-MC105K1H



Н

.354

.354

.354

.433

.433

.433

472

.531

LS

.295

.394

.394

.394

.591

.591

591

.591

Dimensions (In.)

Т

.157

.157

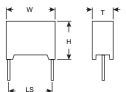
.157

.197

.197

.197

236



581-470NJ63 581-1000NJ63

100 Volt ±10% Tolerance

Price Each

100

.19

.19

.22

.26

.32

.41

.56

500

.17

.17

.19

.23

.29

.36

.50

.65

For quantities greater than listed, call for quote

1

.23

.23

.26

.31

.39

.49

.68

.88

For quantities greater than listed, call for quote

63 Volt ±5% Tolerance

(µF)

.001

.01

.33

.47

1.0

W

.295

.295

.295

.295

.295

295

MOUSER

STOCK NO.

581-1N0J63

581-10NJ63

581-100NJ63

581-330NJ63

For quantities greater than listed, call for quote

For quantities greater than listed, call for quote

Price Each

100

.18

.19

.21

.39

.49

94

500

.17

.18

.19

.35

.45

.86

1000

.15

.16

.17

.32

.41

.80

MOUSER	Value	Dim	nensions (In.)		Price	Each	
STOCK NO.	(µF)	W	Т	Н	1	100	500	1000
581-1N0K100	.001	.295	.098	.256	.26	.17	.16	.14
581-1N5K100	.0015	.295	.098	.256	.26	.17	.16	.14
581-2N2K100	.0022	.295	.098	.256	.26	.17	.16	.14
581-3N3K100	.0033	.295	.098	.256	.26	.17	.16	.14
581-4N7K100	.0047	.295	.098	.256	.26	.17	.16	.14
581-6N8K100	.0068	.295	.098	.256	.26	.17	.16	.14
581-10NK100	.01	.295	.098	.256	.26	.17	.16	.14
581-15NK100	.015	.295	.098	.256	.26	.17	.16	.14
581-22NK100	.022	.295	.098	.256	.26	.17	.16	.14
581-33NK100	.033	.295	.098	.256	.26	.17	.16	.14
581-47NK100	.047	.295	.098	.256	.26	.17	.16	.14
581-68NK100	.068	.295	.098	.256	.27	.18	.17	.15
581-100NK100	.1	.295	.098	.256	.28	.19	.18	.16

250 Volt +10% Tolerance

200 VOIL ± 10 /0 10	onci antoc				or quartitie	s greater ti	iaii iisteu, te	all lot quote
581-MC473K2C	.047	.512	.157	.354	.394	.23	.19	.17
581-MC104K2D	.1	.512	.197	.433	.394	.27	.22	.20

400 Volt +10% Tolerance

581-MC223K4C	.022	.512	.157	.354	.394	.23	.19	.17
581-MC473K4D	.047	.512	.197	.433	.394	.25	.21	.19
581-MC683K4F	.068	.709	.197	.433	.591	.26	.22	.20
581-MC104K4F	.1	.709	.197	.433	.591	.30	.25	.22

630 Volt ±10% Tolerance For quantities greater than listed, call for quote										
581-MC102K6B	.001	.413	.157	.354	.295	.23	.19	.17		
581-MC472K6C	.0047	.512	.157	.354	.394	.23	.19	.17		
581-MC103K6C	.01	.512	.157	.354	.394	.23	.19	.17		
581-MC333K6F	.033	.709	.197	.433	.591	.25	.19	.17		
581-MC104K6J	.1	1.04	.236	.591	.886	.47	.39	.34		

63 Volt ±5% Tolerance

For quantities greater than listed, call for quote

MOUSER	Value	Dim	nensions ((In.)	Price Each				
STOCK NO.	(µF)	W	Т	Н	1	100	500	1000	
581-100NJ100	.1	.295	.098	.256	.30	.21	.19	.17	

Metallized Polyester Film Capacitor Kit

	MOUSER STOCK NO.	Туре	No. of Pieces	Value (Ω)	Price Each
l	581-BFKIT	±10%, 63V	15 of ea. value	1000pF, 2200pF, 3300pF, 4700pF,	29.95
l				6800pF, .01μF, .022μF, .033μF, .047μF,	
l				.068μF, .1μF, .22μF, .33μF	
l		±10%, 63V		.47μF and 1.0μF	
ı		±10%, 100V	15 of ea. value	1500pF, .015μF, .1μF	





CDE CORNELL Polyester Film Capacitors

MINIATURE METALLIZED POLYESTER CAPACITORS

Type DME radial-leaded, mini-dipped capacitors deliver the performance of other capacitors which have cases that are twice as big. Improvements in film technology permit the use of thinner dielectric and make DME the choice for all but higher current AC applications where the larger size may be an advantage. DME self heals shorts caused by overvoltage transients. For small size and low cost, DME is tops.

Cross Refe	erence
Cornell Dubilier	Panasonic
DME Series	ECQEF

Specifications:

- Voltage range: 100-630VDC (65-250VAC)
 Capacitance range: .01-10 µF
 Capacitance tolerance: ± 10%
 Operating temperature range: -55°C to 125°C full-rated voltage @ 85°C Derate linearly to tull-rated voltage @ 85°C - Derate line 50% - rated voltage @ 125°C
 • Dielectric strength: 150%
 • Dissipation Factor: 1% (max.)
 • Insulation resistance: $3,000M\Omega \times \mu F$ $9,000M\Omega$ (min.)

- Life test: 1,000 hours at 85°C @ 125% rated voltage

DIMENSIONS (In.) .08 ± (max.) 1.0 LS

		Pulse Capability										
		Body Length										
Rated Volts	.408	.472	.728	1.024	1.220							
	dV/c	dV/dt-volts per microsecond, maximum										
100	25	16	10	6								
250	31	20	12	7	6							
400	46	30	17	11	9							
630	101	66	33	19	15							

Features:

- Same performance of other capacitors with a case
- that is twice as big

 DME self heals shorts caused by overvoltage transients
- Small size/low cost

100 VDC (65 VAC)

MOUSER	Mfg.	Value		Dime	ensions	(ln.)		Pr	ice Ea	ch
STOCK NO.	Type	(µF)	W	Н	Т	D	LS	1	10	100
5989-100V.56	DME1P56K	.56	.472	.429	.217	.024	.394	.50	.43	.36
5989-100V.68	DME1P68K	.68	.472	.469	.236	.024	.394	.52	.45	.37
5989-100V.82	DME1P82K	.82	.472	.531	.236	.024	.394	.57	.49	.41
5989-100V1.0	DME1W1K	1.0	.472	.551	.264	.024	.394	.60	.51	.43
5989-100V1.2	DME1W1P2K	1.2	.728	.504	.217	.024	.591	.73	.62	.52
5989-100V1.5	DME1W1P5K	1.5	.728	.528	.236	.032	.591	.83	.71	.60
5989-100V1.8	DME1W1P8K	1.8	.728	.567	.256	.032	.591	.93	.80	.67
5989-100V2.2	DME1W2P2K	2.2	.728	.591	.276	.032	.591	1.03	.88	.73
5989-100V2.7	DME1W2P7K	2.7	.728	.622	.315	.032	.591	1.18	1.01	.84
5989-100V3.3	DME1W3P3K	3.3	.728	.65	.335	.032	.591	1.53	1.31	1.09
5989-100V3.9	DME1W3P9K	3.9	1.024	.646	.276	.032	.886	1.73	1.49	1.24
5989-100V4.7	DME1W4P7K	4.7	1.024	.669	.295	.032	.886	1.96	1.68	1.40
5989-100V5.6	DME1W5P6K	5.6	1.024	.689	.327	.032	.886	2.32	1.99	1.66
5989-100V6.8	DME1W6P8K	6.8	1.024	.728	.354	.032	.886	2.63	2.25	1.88
5989-100V8.2	DME1W8P2K	8.2	1.024	.787	.394	.032	.886	2.83	2.43	2.02
5989-100V10	DME1W10K	10.0	1.024	.827	.453	.032	.886	3.53	3.02	2.52

250 VDC (160 VAC)

MOUSER	Mfg.	Value		Dime	ensions	(ln.)		Pr	ice Ea	ch
STOCK NO.	Type	(µF)	W	Н	Т	D	LS	1	10	100
5989-250V.01	DME2S1K	.01	.406	.291	.169	.024	.295	.25	.22	.18
5989-250V.012	DME2S12K	.012	.406	.295	.173	.024	.295	.25	.22	.18
5989-250V.015	DME2S15K	.015	.406	.295	.173	.024	.295	.25	.22	.18
5989-250V.018	DME2S18K	.018	.406	.295	.173	.024	.295	.25	.22	.18
5989-250V.022	DME2S22K	.022	.406	.295	.173	.024	.295	.25	.22	.18
5989-250V.027	DME2S27K	.027	.406	.295	.173	.024	.295	.25	.22	.18
5989-250V.033	DME2S33K	.033	.406	.295	.177	.024	.295	.25	.22	.18
5989-250V.039	DME2S39K	.039	.406	.295	.177	.024	.295	.25	.22	.18
5989-250V.047	DME2S47K	.047	.406	.295	.177	.024	.295	.22	.19	.16
5989-250V.056	DME2S56K	.056	.406	.311	.189	.024	.295	.27	.23	.19
5989-250V.068	DME2S68K	.068	.406	.295	.177	.024	.295	.28	.24	.20
5989-250V.082	DME2S82K	.082	.406	.315	.193	.024	.295	.29	.25	.21
5989-250V.1	DME2P1K	.1	.406	.331	.228	.024	.295	.32	.27	.23
5989-250V.12	DME2P12K	.12	.406	.354	.236	.024	.295	.35	.30	.25
5989-250V.15	DME2P15K	.15	.406	.425	.236	.024	.295	.36	.31	.26
5989-250V.18	DME2P18K	.18	.472	.406	.197	.024	.394	.37	.32	.26
5989-250V.22	DME2P22K	.22	.472	.413	.217	.024	.394	.38	.32	.27
5989-250V.27	DME2P27K	.27	.472	.453	.236	.024	.394	.40	.34	.28
5989-250V.33	DME2P33K	.33	.472	.472	.256	.024	.394	.43	.37	.31
5989-250V.39	DME2P39K	.39	.728	.472	.193	.024	.591	.47	.40	.33
5989-250V.47	DME2P47K	.47	.728	.492	.209	.024	.591	.50	.43	.36
5989-250V.56	DME2P56K	.56	.728	.512	.217	.024	.591	.54	.47	.39
5989-250V.68	DME2P68K	.68	.728	.531	.236	.032	.591	.60	.52	.43
5989-250V.82	DME2P82K	.82	.728	.571	.256	.032	.591	.67	.57	.48
5989-250V1.0	DME2W1K	1.0	.728	.591	.291	.032	.591	.71	.61	.51
5989-250V1.2	DME2W1P2K	1.2	.728	.626	.315	.032	.591	.79	.68	.57
5989-250V1.5	DME2W1P5K	1.5	.728	.661	.354	.032	.591	.97	.83	.70
5989-250V1.8	DME2W1P8K	1.8	1.024	.61	.295	.032	.886	1.09	.93	.78
5989-250V2.2	DME2W2P2K	2.2	1.024	.642	.335	.032	.886	1.19	1.02	.85
5989-250V2.7	DME2W2P7K	2.7	1.024	.669	.37	.032	.886	1.34	1.15	.96
5989-250V3.3	DME2W3P3K	3.3	1.024	.709	.406	.032	.886	1.64	1.40	1.17
5989-250V3.9	DME2W3P9K	3.9	1.024	.807	.433	.032	.886	2.64	2.26	1.89
5989-250V4.7	DME2W4P7K	4.7	1.024	.846	.472	.032	.886	2.94	2.52	2.10
5989-250V5.6	DME2W5P6K	5.6	1.22	.827	.465	.032	1.083	3.71	3.18	2.65
5989-250V6.8	DME2W6P8K	6.8	1.22	.882	.512	.032	1.083	4.04	3.47	2.89
5989-250V8.2	DME2W8P2K	8.2	1.22	.925	.563	.032	1.083	4.82	4.13	3.44
5989-250V10.0	DME2W10K	10.0	1.22	1.016	.626	.032	1.083	5.59	4.79	3.99

400 VDC (200 VAC)

400 VDC (200 V	100 VDC (200 VAC)									
MOUSER	Mfg.	Value		Dime	ensions	(ln.)		Pr	ice Ea	ch
STOCK NO.	Type	(µF)	W	Н	Т	D	LS	1	10	100
5989-400V.01	DME4S1K	.01	.406	.291	.169	.024	.295	.35	.30	.25
5989-400V.012	DME4S12K	.012	.406	.295	.173	.024	.295	.35	.30	.25
5989-400V.015	DME4S15K	.015	.406	.295	.173	.024	.295	.36	.31	.26
5989-400V.018	DME4S18K	.018	.406	.295	.173	.024	.295	.36	.31	.26
5989-400V.022	DME4S22K	.022	.406	.311	.189	.024	.295	.36	.31	.26
5989-400V.027	DME4S27K	.027	.406	.315	.217	.024	.295	.39	.33	.28
5989-400V.033	DME4S33K	.033	.406	.354	.236	.024	.295	.41	.35	.29
5989-400V.039	DME4S39K	.039	.472	.315	.193	.024	.394	.42	.36	.30
5989-400V.047	DME4S47K	.047	.472	.327	.197	.024	.394	.39	.33	.28
5989-400V.056	DME4S56K	.056	.472	.394	.197	.024	.394	.42	.36	.30
5989-400V.068	DME4S68K	.068	.472	.413	.213	.024	.394	.43	.37	.31
5989-400V.082	DME4S82K	.082	.472	.433	.228	.024	.394	.46	.39	.33
5989-400V.1	DME4P1K	.1	.472	.472	.248	.024	.394	.42	.36	.30
5989-400V.12	DME4P12K	.12	.728	.394	.197	.024	.591	.47	.41	.34
5989-400V.15	DME4P15K	.15	.728	.488	.197	.024	.591	.53	.46	.38
5989-400V.18	DME4P18K	.18	.728	.492	.213	.024	.591	.61	.53	.44
5989-400V.22	DME4P22K	.22	.728	.512	.232	.024	.591	.64	.55	.46
5989-400V.27	DME4P27K	.27	.728	.563	.256	.032	.591	.66	.56	.47
5989-400V.33	DME4P33K	.33	.728	.587	.276	.032	.591	.72	.62	.51
5989-400V.39	DME4P39K	.39	.728	.606	.295	.032	.591	.77	.66	.55
5989-400V.47	DME4P47K	.47	.728	.669	.307	.032	.591	.83	.71	.59
5989-400V.56	DME4P56K	.56	1.024	.63	.256	.032	.886	.90	.77	.65
5989-400V.68	DME4P68K	.68	1.024	.65	.276	.032	.886	1.01	.87	.72
5989-400V.82	DME4P82K	.82	1.024	.681	.311	.032	.886	1.10	.95	.79
5989-400V1.0	DME4W1K	1.0	1.024	.709	.335	.032	.886	1.22	1.04	.87
5989-400V1.2	DME4W1P2K	1.2	1.024	.744	.374	.032	.886	1.69	1.45	1.21
5989-400V1.5	DME4W1P5K	1.5	1.22	.748	.374	.032	1.083	1.84	1.58	1.31
5989-400V1.8	DME4W1P8K	1.8	1.22	.807	.433	.032	1.083	2.19	1.88	1.56
5989-400V2.2	DME4W2P2K	2.2	1.22	.866	.433	.032	1.083	2.77	2.13	1.77

630 VDC (250 VAC)

•										
MOUSER	Mfg.	Value		Dime	ensions	(ln.)		Pr	ice Ea	ch
STOCK NO.	Type	(µF)	W	Н	Т	D	LS	1	10	100
5989-630V.01	DME6S1K	.01	.472	.295	.177	.024	.394	.32	.27	.23
5989-630V.012	DME6S12K	.012	.472	.307	.177	.024	.394	.34	.29	.24
5989-630V.015	DME6S15K	.015	.472	.323	.197	.024	.394	.35	.30	.25
5989-630V.018	DME6S18K	.018	.472	.394	.193	.024	.394	.36	.31	.26
5989-630V.022	DME6S22K	.022	.472	.413	.209	.024	.394	.37	.32	.27
5989-630V.027	DME6S27K	.027	.472	.429	.217	.024	.394	.39	.33	.28
5989-630V.033	DME6S33K	.033	.472	.469	.236	.024	.394	.40	.34	.28
5989-630V.039	DME6S39K	.039	.472	.528	.236	.024	.394	.41	.35	.29
5989-630V.047	DME6S47K	.047	.472	.531	.256	.024	.394	.42	.36	.30
5989-630V.056	DME6S56K	.056	.728	.413	.213	.024	.591	.45	.38	.32
5989-630V.068	DME6S68K	.068	.728	.433	.228	.024	.591	.48	.41	.35
5989-630V.082	DME6S82K	.082	.728	.472	.256	.024	.591	.52	.44	.37
5989-630V0.1	DME6P1K	.1	.728	.551	.248	.024	.591	.55	.47	.40
5989-630V.12	DME6P12K	.12	.728	.571	.248	.032	.591	.61	.52	.43
5989-630V.15	DME6P15K	.15	.728	.606	.295	.032	.591	.68	.58	.49
5989-630V.18	DME6P18K	.18	.728	.63	.315	.032	.591	.74	.63	.53
5989-630V.22	DME6P22K	.22	.728	.65	.354	.032	.591	.79	.68	.57
5989-630V.27	DME6P27K	.27	1.024	.65	.276	.032	.886	.90	.77	.64
5989-630V.33	DME6P33K	.33	1.024	.669	.307	.032	.886	1.01	.87	.72
5989-630V.39	DME6P39K	.39	1.024	.705	.335	.032	.886	1.10	.95	.79
5989-630V.47	DME6P47K	.47	1.024	.728	.366	.032	.886	1.18	1.01	.84
5989-630V.56	DME6P56K	.56	1.024	.787	.394	.032	.886	1.40	1.20	1.00
5989-630V.68	DME6P68K	.68	1.024	.827	.453	.032	.886	1.82	1.56	1.30
5989-630V.82	DME6P82K	.82	1.22	.807	.445	.032	1.083	1.99	1.70	1.42
5989-630V1.0	DME6W1K	1.0	1.22	.862	.492	.032	1.083	2.41	2.06	1.72
5989-630V1.2	DME6W1P2K	1.2	1.22	.906	.531	.032	1.083	2.54	2.18	1.81
5989-630V1.5	DME6W1P5K	1.5	1.22	.972	.602	.032	1.083	3.09	2.65	2.21
5989-630V1.8	DME6W1P8K	1.8	1.22	1.063	.661	.032	1.083	3.47	2.98	2.48
5989-630V2.2	DME6W2P2K	2.2	1.22	1.142	.768	.032	1.083	4.04	3.47	2.89





CORNELL Motor-Run AC and Metallized Polypropylene Capacitors

TYPE SM MOTOR-RUN AC CAPACITORS

Features:

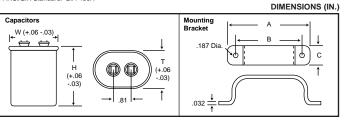
- For motor-run applications, air-conditioning, electronic power conversion equipment and HID lighting
- Metallized polypropylene film is used to provide the lowest loss self-healing capability and low energy consumption
- Utilizes a fluid which is environmentally compatible and biodegradable. This fluid protects the metallized film from corrosion, aids heat transfer, and suppresses corona which otherwise could cause premature failures.



LR700632

Specifications:

- Temperature range: -40°C to 70°C
- Tolerance: ±10%
- 60,000 hours, 94% min. survival at full rated temperature and voltage
- 2-tine .25" x .032" quick-connect lug terminals
- Tin plated steel cans
- Dissipation factor (max.): .10%
- ANSI/EIA Standard: EIA-456A



Capacitors

For quantities greater than listed, call for quote.

MOUSER	Value	Case	Case	Dimensio	ns (In.)		Price	Each	
STOCK NO.	(µF)	Style	W	Т	Н	1	25	50	100
370VAC									
5987-370V4.0	4.0	KK	2.16	1.31	2.19	6.02	5.27	4.67	4.22
5987-370V5.0	5.0	KK	2.16	1.31	2.19	5.68	4.97	4.41	3.98
5987-370V6.0	6.0	KK	2.16	1.31	2.19	6.32	5.53	4.90	4.43
5987-370V7.5	7.5	KK	2.16	1.31	2.19	6.16	5.39	4.78	4.32
5987-370V10	10	KK	2.16	1.31	2.69	7.48	6.55	5.80	5.24
5987-370V20	20	KT	2.91	1.91	2.69	14.24	12.46	11.04	9.97
5987-370V35	35	KT	2.91	1.91	3.13	16.14	14.13	12.51	11.30
5987-370V40	40	KT	2.91	1.91	3.88	20.72	18.13	16.06	14.51
660VAC									
5987-660V2.0	2.0	KK	2.16	1.31	2.19	6.48	5.67	5.03	4.54
5987-660V5.0	5.0	KK	2.16	1.31	3.13	11.20	9.80	8.68	7.84
5987-660V6.0	6.0	KK	2.16	1.31	3.88	9.38	8.21	7.27	6.56
5987-660V10	10	KT	2.91	1.91	3.13	12.76	11.17	9.89	8.94
5987-660V12	12	KT	2.91	1.91	3.13	13.76	12.04	10.67	9.64
5987-660V30	30	KB	3.66	1.97	3.88	26.64	23.31	20.65	18.65

Mounting Brackets (sold separately)

For quantities greater than listed, call for quote.

MOUSER	Dii	mensions (I	n.)	Fits Case		Price	Each	
STOCK NO.	Α	В	С	Style	1	10	100	500
5987-KK5	3.046	2.546	.75	KK	.52	.46	.41	.37
5987-KT9	3.812	3.312	.75	KT	.60	.53	.47	.42
5987-KB10	4.562	4.062	.75	KB	.52	.46	.41	.37

METALLIZED POLYPROPYLENE RADIAL SNUBBERS

Type DPPM radial-leaded, metallized polypropylene capacitors utilize series wound extended foil with floating metalized common foil construction. Type DPPM offers excellent high frequency and high current capabilities and self-healing characteristics. With low inductance and high dV/dt characteristics, DPPM is ideal for snubber

1000 VDC (450 VAC)

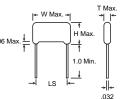
For quantities greater than listed, call for quote.

MOUSER	3 71 1	Value	D	imensi	ons (In	ı.)		Price	Each	
STOCK NO.	DPPM	(µF)	W	Н	Т	LS	1	10	100	1000
5989-1KV.001	10D1K	.001	.984	.452	.256	.826	.83	.71	.59	.356
5989-1KV.0015	10D15K	.0015	.984	.452	.256	.826	.83	.71	.59	.356
5989-1KV.0022	10D22K	.0022	.984	.452	.256	.826	.83	.71	.59	.356
5989-1KV.0033	10D33K	.0033	.984	.492	.275	.826	.88	.76	.63	.378
5989-1KV.0047	10D47K	.0047	.984	.531	.295	.826	.88	.76	.63	.378
5989-1KV.0068	10D68K	.0068	.984	.570	.334	.826	.91	.78	.65	.389
5989-1KV.01	10S1K	.01	.984	.649	.374	.826	.93	.80	.66	.398
5989-1KV.015	10S15K	.015	1.220	.669	.374	1.043	.98	.84	.70	.420
5989-1KV.022	10S22K	.022	1.220	.728	.433	1.043	1.44	1.23	1.03	.615
5989-1KV.033	10S33K	.033	1.220	.807	.511	1.043	1.72	1.47	1.23	.735
5989-1KV.047	10S47K	.047	1.220	.885	.590	1.043	2.16	1.85	1.54	.924

1200 VDC (475 VAC) For quantities greater than listed, call for quo											
5989-1.2KV.001	12D1K	.001	.984	.452	.256	.826	.87	.75	.62	.372	
5989-1.2KV.0015	12D15K	.0015	.984	.452	.256	.826	.87	.75	.62	.372	
5989-1.2KV.0022	12D22K	.0022	.984	.492	.275	.826	.87	.75	.62	.372	
5989-1.2KV.0033	12D33K	.0033	.984	.511	.295	.826	.95	.82	.68	.408	
5989-1.2KV.0047	12D47K	.0047	.984	.551	.314	.826	.95	.82	.68	.408	
5989-1.2KV.0068	12D68K	.0068	1.220	.590	.314	1.043	.99	.85	.71	.423	
5989-1.2KV.01	12S1K	.01	1.220	.629	.354	1.043	1.07	.92	.77	.459	
5989-1.2KV.015	12S15K	.015	1.220	.708	.413	1.043	1.41	1.21	1.01	.606	
5989-1.2KV.022	12S22K	.022	1.220	.787	.472	1.043	1.68	1.44	1.20	.719	
5989-1.2KV.033	12S33K	.033	1.220	.866	.551	1.043	2.11	1.81	1.51	.905	

Specifications:

- Voltage range: 1000-2000VDC (450-500VAC)
- Capacitance range: .001-.047µF Capacitance tolerance: ±10%
- Operating temperature range: -40°C to 105°C full-rated voltage
 @ 85°C derate linearly to 50% rated voltage
 @ 105°C
- Dielectric strength: 175%Dissipation Factor: .10% (max.)
- Insulation resistance: 400,000MΩ (min.)
- Life test: 500 hours at 85°C @ 150% rated voltage



DIMENSIONS (IN.)

1600 VDC (500 VAC)

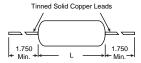
For quantities greater than listed, call for quote

MOUSER	Mfg. Type	Value	D	imensi	ons (In	.)		Price	Each	
STOCK NO.	DPPM	(µF)	W	Н	Т	LS	1	10	100	1000
5989-1.6KV.001	16D1K	.001	.984	.452	.256	.826	.89	.77	.64	.383
5989-1.6KV.0015	16D15K	.0015	.984	.492	.275	.826	.89	.77	.64	.383
5989-1.6KV.0022	16D22K	.0022	.984	.590	.314	.826	.89	.77	.64	.383
5989-1.6KV.0033	16D33K	.0033	.984	.649	.374	.826	1.00	.86	.71	.428
5989-1.6KV.0047	16D47K	.0047	.984	.748	.413	.826	1.11	.95	.79	.474
5989-1.6KV.0068	16D68K	.0068	1.220	.748	.413	1.043	1.27	1.09	.91	.546
5989-1.6KV.01	16S1K	.01	1.220	.866	.472	1.043	1.35	1.16	.97	.579
5989-1.6KV.015	16S15K	.015	1.220	.964	.590	1.043	1.72	1.47	1.23	.737
5989-1.6KV.022	16S22K	.022	1.220	1.082	.708	1.043	2.10	1.80	1.50	.899

2000 VDC (500 VAC) For quantities greater than listed, call for quote.											
5989-2KV.001	20D1K	.001	.984	.492	.275	.826	.96	.82	.69	.411	
5989-2KV.0015	20D15K	.0015	.984	.551	.314	.826	.96	.82	.69	.411	
5989-2KV.0022	20D22K	.0022	.984	.629	.354	.826	.96	.82	.69	.411	
5989-2KV.0033	20D33K	.0033	.984	.688	.413	.826	1.14	.98	.82	.489	
5989-2KV.0047	20D47K	.0047	1.220	.748	.393	1.043	1.26	1.08	.90	.539	
5989-2KV.0068	20D68K	.0068	1.220	.807	.472	1.043	1.42	1.22	1.02	.609	
5989-2KV.01	20S1K	.01	1.220	.866	.551	1.043	1.64	1.40	1.17	.702	
5989-2KV.015	20S15K	.015	1.220	.964	.629	1.043	2.07	1.77	1.48	.885	

METALLIZED POLYPROPYLENE 935 SERIES

Designed for 20 - 100K Hz switching power supply input filtering, DC blocking and output filter applications where high current, high capacitance, and low ESR values are important. Dry sections are sealed with flame-retardant outer wrap and epoxy end seals for moisture resistance. This non-protected film capacitor has Underwriters Laboratories, Inc., recognition for construction only. U.L. File Number assigned is E128034(N)





DIMENSIONS (IN.)

100 Volt (70 VAC)

For quantities greater than listed, call for quote.

MOUSER	Mfr's Type	Value							
STOCK NO.	935	(µF)	D	Tol. ±	L	1	25	50	100
5984-100V1	C1W1K	1	0.469	.062	0.750	8.39	6.99	5.60	4.20
5984-100V2	C1W2K	2	0.534	.062	0.938	8.85	7.37	5.90	4.43
5984-100V3	C1W3K	3	0.624	.093	0.938	9.38	7.82	6.25	4.69
5984-100V5	C1W5K	5	0.640	.093	1.250	9.87	8.23	6.58	4.94
5984-100V10	C1W10K	10	0.805	.093	1.500	21.38	17.82	14.25	10.69
5984-100V20	C1W20K	20	0.875	.125	2.250	22.97	19.14	15.32	11.49
5984-100V30	C1W30K	30	1.075	.125	2.250	34.35	28.63	22.90	17.18

Specifications

- Tolerance: ±10%
- Temperature range: -55°C to 105°C
- Voltage range: 100, 200, and 400 VDC
 Maximum DF (1K Hz, +25°C): 0.1%
- Capacitance range: 1-30μF
- Dielectric strength: 200%
 Insulation resistance: 200,000MΩ x μF
 Life test: 1,000 hrs. at 85°C at 150% rated voltage

200 Volt (140 VAC)

For quantities greater than listed, call for quote.

MOUSER	Mfr's Type	Value	Dimen	sions (In	.) Max.	K. Price Each			
STOCK NO.	935	(µF)	D	Tol. ±	L	1	25	50	100
5984-200V1	C2W1K	1	0.450	.062	1.250	6.14	5.12	4.10	3.07
5984-200V2	C2W2K	2	0.605	.093	1.250	7.57	6.31	5.05	3.79
5984-200V3	C2W3K	3	0.654	.093	1.500	8.28	6.90	5.52	4.14
5984-200V5	C2W5K	5	0.769	.093	1.750	9.66	8.05	6.44	4.83
5984-200V10	C2W10K	10	0.905	.125	2.250	15.08	12.57	10.05	7.54
5984-200V20	C2W20K	20	1.315	.125	2.250	29.12	24.27	19.42	14.56
400 Valt (275 V	AC)				_				

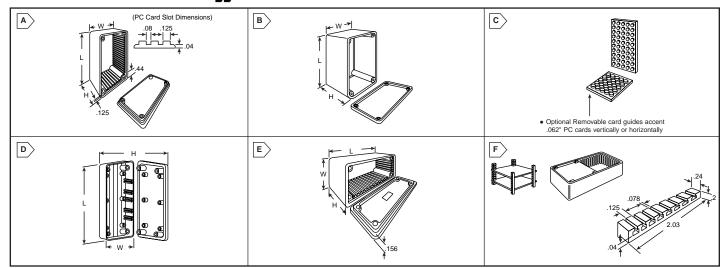
400 Volt (275 V	AC)			For quantities greater than listed, call for quote					
5984-400V1	C4W1K	1	0.620	.093	1.500	8.50	7.09	5.67	4.25
5984-400V2	C4W2K	2	0.802	.093	1.750	9.60	8.00	6.40	4.80
5984-400V3	C4W3K	3	0.961	.125	1.750	12.34	10.28	8.23	6.17
5984-400V5	C4W5K	5	1.067	.125	2.250	15.08	12.57	10.05	7.54
5984-400V10	C4W10K	10	1.543	.125	2.250	19.74	16.45	13.16	9.87







Cases and Boxes



POLYSTYRENE PLASTIC CASES

- Card guides accept .062" PC cards
 High impact polystyrene plastic
 S46-1591ES-BK has a removeable center brace
- · Color: black

* These models have 6 mounting holes

MOUSER	Fig.	Dim	ensions (ln.)		Price	Each	
STOCK NO.	Fig.	L	W	Н	1	10	100	250
546-1591AS-BK	Α	4.00	2.00	1.00	3.09	2.57	2.37	
546-1591BS-BK	Α	4.40	2.44	1.20	3.34	2.78	2.57	
546-1591CS-BK	Α	4.75	2.56	1.56	3.55	2.96	2.73	
546-1591DS-BK	Α	6.00	3.15	2.00	5.25	4.38	4.04	
546-1591ES-BK	Α	7.50	4.33	2.38	6.30	5.25	4.85	Call
546-1591LS-BK	Α	3.35	2.20	1.27	3.32	2.77	2.55	For
546-1591GS-BK	Α	4.8	3.7	1.36	4.20	3.50	3.23	Quote
546-1591HS-BK	Α	6.5	2.8	1.16	4.18	3.48	3.21	Quote
546-1591SS-BK	Α	4.3	3.2	1.76	4.49	3.75	3.46	
546-1591TS-BK	Α	4.7	3.2	2.36	4.96	4.13	3.81	
546-1591US-BK	Α	4.72	4.72	2.36	5.31	4.43	4.09	
546-1591VS-BK	Α	4.7	4.7	3.66	6.36	5.30	4.89	

PLASTIC INSTRUMENT BOXES

Features:

- UL flammability rating of 94V-0 Continuous use temperature rating of 60°C (140°F)
- Interlocking flanged lid
 Internal slot holds .062" PC cards
- Comes with ABS lid in matching color Average wall thickness .062"
- 546-1591E has a removable center brace
- Dimensions are outside dimensions
- Molded in an improved medium impact ABS
- thermoplastic with flame retardant properties

 Comes with M3 x .5 x 10mm, phillips machine screws,
- countersunk lid, and tapped integral brass bushings
 Optional PC card adaptors available for horizontal mounting of PC cards
- Also available in blue, gray, and beige. Contact a Mouser Service Representative for details.

Note: Iid adds .156" to overall depth of case

Principlos are outside difficultions								, o. oaoo
Color: Blue								
546-1591B-BU	Α	4.4	2.44	1.06	5.33	4.44	4.10	
546-1591C-BU	Α	4.75	2.56	1.56	5.67	4.73	4.36	Call
546-1591D-BU	Α	6.0	3.15	2.0	8.40	7.00	6.46	For
546-1591E-BU	Α	7.5	4.33	2.38	10.08	8.40	7.75	Quote
Color: Black			•	•				
546-1591A-BK	Α	4.0	2.00	1.0	4.93	4.11	3.80	
546-1591B-BK	Α	4.4	2.44	1.06	5.33	4.44	4.10	
546-1591C-BK	Α	4.75	2.56	1.56	5.67	4.73	4.36	
546-1591D-BK	Α	6.0	3.15	2.0	8.40	7.00	6.46	
546-1591E-BK	Α	7.5	4.33	2.38	10.08	8.40	7.75	0-11
546-1591G-BK	Α	4.75	3.69	1.18	6.72	5.60	5.17	Call
546-1591H-BK	Α	6.52	2.78	.98	6.68	5.57	5.14	For
546-1591L-BK	Α	3.4	2.20	1.4	5.29	4.41	4.07	Quote
546-1591S-BK	Α	4.33	3.23	1.58	7.18	5.99	5.52	
546-1591T-BK	Α	4.72	3.15	2.17	7.94	6.62	6.11	
546-1591U-BK	Α	4.72	4.72	2.17	8.51	7.09	6.54	
546-1591V-BK	Α	4.72	4.72	3.54	10.19	8.49	7.83	
	•		•	•				

ELECTRONIC ENCLOSURES

Features:

- · Medium impact ABS thermoplastic with flame retardant properties

 Comes with M3 x .5 x 18mm countersunk
- integral brass bushings
- phillips machine screws which fasten into
- Lightly textured finish
- Interlocking flanged lid
- UL flammability rating of 94V-0 Continuous use temperature rating of 60°C (140°F)
- · Color: black

Also available in blue, gray, and beige. Contact a Mouser service representative for details

Plastic Instrumen	t Box	es	≭Lid a	dds .472" to	overall hei	ght of box o	r .394" to ir	side height
546-1594A-BK	В	2.17	2.17	* 1.10	7.25	6.04	5.57	
546-1594B-BK	В	3.15	2.17	* 1.10	7.83	6.53	6.03	Call
546-1594C-BK	В	4.13	2.56	* 1.30	8.78	7.32	6.75	For
546-1594D-BK	В	5.12	2.56	* 1.70	9.41	7.84	7.24	Quote
546-1594E-BK	В	6.50	4.13	* 2.09	12.18	10.15	9.37	

ELECTRONIC ENCLOSURES (Cont.)

PC Card Guides

Packed 25 sets per package, four guides to set

Price Each										
1	10	100	250							
6.30 5.25 4.85 Call										

MOUSER STOCK NO.	Fig.	Fits Cases
546-1594AZ-25	С	546-1594A-BK
546-1594BZ-25	С	546-1594B-BK
546-1594CZ-25	С	546-1594C-BK
546-1594DZ-25	С	546-1594D-BK
546-1594EZ-25	С	546-1594E-BK

Optional Water Tight Sealing Kits

Each kit is comprised of 1 die cut gasket, 4 replacement screws, and 6 "O"-rings (2 spares).

Price Each									
1	10	100	250						
4.16	3.47	3.20	Call						

_		
	MOUSER STOCK NO.	Fits Cases
Г	546-1594SKA	546-1594A-BK
	546-1594SKB	546-1594B-BK
	546-1594SKC	546-1594C-BK
	546-1594SKD	546-1594D-BK
	546-1594SKE	546-1594E-BK

HAND HELD CASES

Attractively styled and ergonomically designed for use as a "hand-held" instrument enclosure. Two piece lap joint construction that provides protection from dust accumulation and splashing water. These enclosures also provide an improved surface for EMI/RFI shielding.

Features:

- Two key hole knockouts are molded into the inside of the base to facilitate wall mounting installation
- Countersunk lid is secured with four self tapping head screws
- · Six PC card mounting bosses are molded into the top and base to enable horizontal mounting using self tapping screws

High Impact Polystyrene Cases • Color: gray

MOUSER	Fig.	Dim	ensions (ln.)	Price Each				
STOCK NO.	i ig.	L	W	Н	1	10	100	250	
546-1599BS-GY	D	5.12	2.56	.98	6.17	5.15	4.75	Call	
546-1599ES-GY	D	6.70	3.35	1.38	7.12	5.93	5.48	For	
546-1599HS-GY	D	8.66	4.33	1.77	8.30	6.91	6.38	Quote	

Medium Impact Flame Retardant ABS

- UL flammability rating of 94V-0 @ 1.47 mm thickness and a continuous use temperature rating of 60°C
- Designed to meet IP54
- · Color: Black

546-1599B-BK	D	5.12	2.56	.98	8.06	6.72	6.20	Call
546-1599E-BK	D	6.70	3.35	1.38	9.77	8.14	7.51	For
546-1599H-BK	D	8.66	4.33	1.77	12.01	10.01	9.24	Quote

PC CARD DIECAST ALUMINUM ALLOY BOXES

Unfinished Cases

Features:

- Comes with 3mm slot head screws, countersunk
- into lid and threaded in tapped holes Optional PC card adaptors available for horizontal mounting of PC cards
- Internal slots on 0.2" centers hold .062" thick PC cards or dividers
- Average wall thickness 1.6mm (.062")
- Rated to 600°C (1112°F) temperatures
- · Interlocking flanged lid

† This model has six mounting studs/holes

	546-1590L	Е	4.0	2.0	1.0	8.04	6.70	6.19	
	546-1590M	E	4.4	2.44	1.22	9.68	8.07	7.45	Call
	546-1590N	E	4.75	2.56	1.56	10.96	9.14	8.43	For
	546-1590P	Е	6.0	3.15	2.0	14.30	11.92	11.00	Quote
†	546-1590R	Е	7.5	4.33	2.38	22.28	18.57	17.14	

PC CARD ADAPTORS

PC adaptors allow mounting of PC cards at right angles to the vertical slots molded into Hammond plastic boxes and diecast cases 1590L through 1590R.

For quantities greater than listed, call for quote

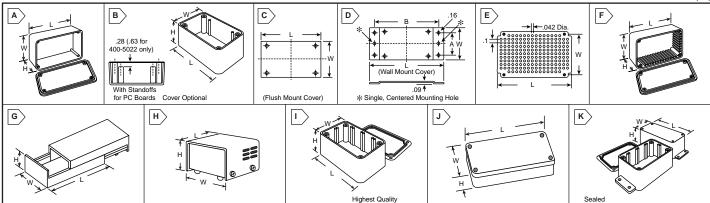
MOUSER	Fig.	Quantity Per Package	Price Per Package			
STOCK NO.	rig. Qu	Quality Fel Fackage	1	2		
546-1591Z6	F	6	2.39	2.00		
546-1591Z100	F	100	26.31	21.93		





■EAGLE Cases and Accessories

DIMENSIONS (IN.)



CASES AND ACCESSORIES

Plastic Project Boxes with Lids

 Molded ABS plastic • PCB guides (400-1561 and 400-1571 only) · Height is with lid on (Dimensions are outside dimensions.)

For quantities greater than listed, call for quote Dimension (In.) Price Each MOUSER Fig Color STOCK NO. W 100 400-1541 3 Black 2.90 1.74 1.60 1.45 2 1/4 400-1551 4 3/8 7/8 Black 3.30 1.98 1.82 1.65 400-1561 Α 4 3 1 5/8 Black 3.95 2.37 2.17 1.98 3 7/8 2 1/4 3.38 400-1571 5 7/8 Black 4.05 3.71

High-Impact Polystyrene

† Designed with only two standoffs for PC boards. All others have four.

 Two styles of lids are available: flush mount and wall mount · Covers and custom PC boards must be ordered separately

For quantities greater than listed, call for quote

	MOUSER	Fig.	Dim	ension	(In.)	Color		Price	Each	
	STOCK NO.	rig.	L	W	Н	COIOI	1	10	25	50
†	400-5022	В	2.00	1.40	1.00	Black	2.20	1.83	1.66	1.51
†	400-5032	В	2.70	1.71	1.18	Black	2.48	2.07	1.88	1.71
t	400-5043	В	3.29	2.11	1.38	Black	2.84	2.37	2.15	1.95
	400-5053	В	4.19	2.74	1.57	Black	3.73	3.11	2.83	2.57
	400-5064	В	5.30	3.33	1.57	Black	4.82	4.02	3.65	3.32
	400-5074	В	6.90	4.30	1.60	Black	6.43	5.36	4.87	4.43
	400-5084	В	7.70	5.10	2.00	Black	8.06	6.72	6.11	5.55

Aluminum Covers (Unpainted)

Peel off protective plastic skin
 Includes hardware

For quantities greater than listed, call for quote,

MOUSER	Fig.	П	Dimension (In.)			Price	Each			
STOCK NO.	ı ıg.	L	W	Α	В	i its Cases	1	10	25	50
400-7022	C	1.89	1.30			400-5022	1.85	1.54	1.40	1.27
400-7032	С	2.56	1.57			400-5032	1.79	1.49	1.35	1.23
400-7043	С	3.15	1.97			400-5043	2.23	1.86	1.69	1.54
400-7053	С	4.02	2.56			400-5053	2.63	2.19	1.99	1.81
400-7064	С	5.12	3.15			400-5064	3.38	2.82	2.56	2.33
400-7074	С	6.96	4.13			400-5074	6.11	5.09	4.63	4.21
400-7084	С	7.78	4.92			400-5084	7.30	6.08	5.53	5.03
400-8043	D	4.41	1.97	1.34	3.90	400-5043	3.18	2.65	2.41	2.19
400-8053	D	5.43	2.56	1.77	4.80	400-5053	3.67	3.06	2.78	2.53
400-8064	D	6.70	3.15	2.20	6.06	400-5064	4.92	4.10	3.73	3.39

PRE-PUNCHED COPPER CLAD PC BOARDS

.042" diameter holes with 0.1" spacing between holes
 Copper clad - one side

• Pre-patterned "pad-per-hole" design

For quantities greater than listed, call for quote.

MOUSER	F:~	Dimensions (In.)		Fits Cases	Price Each					
STOCK NO.	Fig.	L	W	Fils Cases	1	10	25	50		
400-9032	Е	2.44	1.46	400-5032 and 400-6032	2.89	2.41	2.19	1.99		
400-9043	Ε	3.03	1.85	400-5043 and 400-6043	3.86	3.22	2.93	2.66		
400-9053	Ε	3.86	2.40	400-5053 and 400-6053	5.06	4.22	3.84	3.49		
400-9064	Е	4.96	2.99	400-5064 and 400 6064	7.00	5.83	5.30	4.82		

MOLDED ABS PLASTIC CASES (Dimensions are outside dimensions.)

2.5

Molded ABS plastic, .10" thick
 Temperature rated at -20°C to +85°C

 Interlocking flanged cover with four screws PCB guides Add .10" to dimension "H" with lid on

7.93

6.80

6.47

Dimension (In.) Price Each MOUSER Fig Color STOCK NO. W Н 10 50 100 400-1542 3.70 3.37 3.06 Gray Call 400-1552 5.1 2.5 1.7 4.66 4.02 3.71 Gray For 400-1562 5.9 3.5 2.2 Gray 5.46 4.68 4.46 Quote

With Sliding Lids

400-1572

Accepts PC board and 9V battery
 Easy access for do-it-vourself kits

Gray

mitoriooning two	31000 ac	oigi.	71000		dia dia ov battory		, 400000	01 40 11 90	010011 11110	
MOUSER	Fig.	Dimension (In.)			Color	Price Each				
STOCK NO.	rig.	L	W	Н	Coloi	1	10	25	50	
400-4048	G	4.7	3.1	1.1	Black	8.04	6.70	6.09	Call	
400-4049	G	5.9	4.1	1.1	Black	9.85	8.21	7.46	Call	

INSTRUMENT CASES

Black 18 gauge hammertone steel cover fits over a painted gray aluminum base

MOUSER	Fig.	D	Price Each					
STOCK NO.	i ig.	Length	Width	Height	1	10	50	100
40UB101	Н	4	3 1/4	2 3/16	7.35	6.12	5.57	Call
40UB102	Н	5 7/8	4	2 3/8	9.35	7.80	7.10	For
40UB103	Н	5 7/8	5 1/4	3	10.32	8.60	7.81	Quote

DIECAST ALUMINUM CASES

Without PCB Guides

· Natural aluminum (unpainted)

Excellent RF shielding

Interlocking cover, with countersunk screws

MOUSER	Fig.	Dim	ension	(In.)	Wall	Price Each			
STOCK NO.	rig.	L	W	Н	Thickness	1	10	50	100
400-4590	Α	3.5	1.4	1.2	.063	6.75	5.65	5.35	
400-4591	Α	4.5	2.5	1.2	.063	7.35	6.15	5.90	
400-4587	Α	4.5	2.5	2.2	.063	8.35	7.52	6.84	Call
400-4592	Α	4.5	3.5	2.2	.063	11.12	9.29	8.85	For
400-4593	Α	6.8	4.7	2.2	.075	17.84	14.90	14.18	Quote
400-4594	Α	6.8	4.7	4.2	.075	19.95	16.70	15.90	- Quoto
400-4588	Α	8.7	5.7	2.2	.075	22.13	20.12	18.29	
400-4589	Α	8.7	5.7	4.2	.075	30.29	27.53	25.03	

With PCB Guides

 Natural aluminun 	• Interlocking flanged cover, with countersunk screws									
400-4585	1	2.4	2.2	1.2		.063	6.96	6.33	5.76	
400-4586	1	3.1	2.2	1.0		.063	8.23	7.48	6.80	
400-4595	1	4.7	4.0	1.4		.083	21.99	19.99	18.21	Call
400-4596	- 1	5.5	4.0	3.0		.075	26.53	24.11	21.92	For
400-4597	- 1	6.5	5.0	3.0		.075	31.08	28.26	25.69	Quote
400-4598		10.8	6.9	2.2		.075	47.73	43.39	39.45	
400-4599	l ı	9.8	9.8	3.9		098	58.35	53.02	48.20	

Sealed Cases (Without PCB guides)

Natural aluminum (unpainted)
 Rubber extruded seal incorporated into edge of the case

 Provides extra protection against dust, moisture, ozone, acids, and alkalis

• Suitable for service from -40°C to +120°C Without PCB guides

Interlocking flanged cover with countersunk screws

, ,					Count	orourne oor	0110			
400-4550	J	3.5	1.4	1.2	.063	14.50	13.18	11.98		ı
400-4551	J	4.5	2.5	1.2	.063	15.83	14.39	13.08		ı
400-4552	J	4.5	2.5	2.2	.063	19.05	17.32	15.75	Call	ı
400-4553	J	4.5	3.5	2.2	.063	16.90	15.37	13.97	For	ı
400-4554	J	6.8	4.7	2.2	.075	25.51	23.19	21.08	Quote	ı
400-4555	J	6.8	4.7	4.2	.075	32.35	29.41	26.73	Quote	ı
400-4556	J	8.8	5.7	2.2	.075	33.62	30.56	27.78		ı
400-4557	J	8.8	5.7	4.2	.075	41.97	38.16	34.69		ı

Black Nylon Coated (Without PCB Guides)

representative for more information.

Nylon coating (75-100 microns thick) provides an added degree of protection against corrosion
 Can be drilled or machined without effecting the finish
 No PCB guides
 Extra ha

 Can be drilled or machined without effecting the finish Color: Gray, blue, yellow, and brown, also available (on special order basis). Call your customer service

400-4620 400-4621 400-4622	A A A	3.5 4.5 4.5	1.4 2.5 3.5	1.2 1.2 2.2	.063 .063 .063	16.52 18.60 23.61	15.02 16.91 21.47	13.66 15.37 19.51	Call
									Call
400-4622	Α	4.5	3.5	2.2	.063	23.61	21.47	19.51	
400-4623	Α	4.5	2.5	2.2	.063	20.76	18.88	17.16	For
400-4624	Α	6.8	4.7	2.2	.075	31.91	29.00	26.37	Quote
400-4625	Α	6.8	4.7	4.2	.075	40.83	37.12	33.75	Quote
400-4626	Α	8.8	5.7	2.2	.075	41.34	37.58	34.16	
400-4627	Α	8.8	5.7	4.2	.075	50.71	46.10	41.91	

With Mounting Flanges and PCB Guides

Κ 8.8

 Moisture proof, dust proof
 Neterlocking flanged cover with countersunk screws inted)
 Due to size, 400-4600 flange has only 1 screw mounting hole Excellent RF shielding Natural aluminum (un

400-4600 3.5 063 18.04 16.40 14.91 400-4601 Κ 4.5 2.5 1.2 .063 19.99 18.17 16.52 400-4602 K 4.5 2.5 2.2 .063 22.55 20.50 18.64 Call 400-4603 4.5 3.5 2.2 21.70 Κ .063 23.87 19.73 For 400-4604 Κ 6.8 4.8 2.2 .075 33.61 30.56 27.78 Quote 400-4605 Κ 6.5 5.0 3.0 .075 37.45 34.00 30.92 400-4606 5.8 2.2 38.68 35.16 31.97

.075





38.15

400-4607

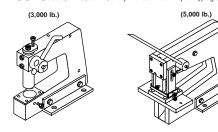
Metal Working Presses and Accessories

3,000 LB. AND 5,000 LB. MANUPRESSES Cuts, forms, bends, and punches: ideal for prototyping or production. Make your own panels, chassis, or cabinets.

- · Maximum allowable sheet material thickness for accessories unless otherwise specified: fiberglass .079", aluminum .10", mild steel .063"
- Compact high tensile steel frame
- Pressure capability: 3,000 lbs max. (full stroke)

3 000 Lb Manunress

3,000 LD. Manupiess	
Parameter	Dim. (In.)
Overall length	10.6
Max height (excluding-lever)	13.2
Width (w/mounting brackets)	6.5
Throat depth	5.9
Clearance	3.27
Stroke length (stop fitted)	.24 to 2.36
Ram spigot hole diameter	.71
Depth	.87
Die hole diameter	1.5
Dia holder 4 holes ctr. to ctr.	2.17 x 1.38
Hole diameter	.31
Bench mtg. 4 holes ctr. to ctr.	5.9 x 3.7
Hole diameter	.39
Press weight	31.3 lbs.



MOUSER STOCK NO.	Description	Price Each
38RA005	3000 lb. press	669.00
381-5000	5000 lb. press	1995.00
Replacement Parts	3000 lb. Press Only	
381-0010	Pinion rack	76.00
381-0020	Pinion gear	76.00

- · Material cutting capacity (circular and rectangular punches and dies): fiberglass .079", aluminu. .118", mild steel: .079"
 - Double, flame-cut, steel frame
- Precision ground rack and pinion mechanism gives constant force through the stroke
- Adjustable ram controls cutting depth

5,000 Lb. Manupress

Parameter	Dim. (In.)
Overall length	21.7
Max height (excluding-lever)	23.6
Width (with mounting brackets)	7.8
Throat depth	12.1
Clearance	5
Stroke length	5
Ram spigot hole dia.	.98
Depth	1.2
Bench mtg. 4 holes (center	8.86 x 6.61
to center)	(.39 dia.)
Weight	145.5 lbs.

INSTRUCTION **BOOKLETS** FOR THE 3.000 AND 5,000 LB. **PRESSES**

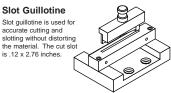
Includes all instructions, technical data and accessories.

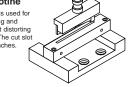
9-125: 3.000 lb. manupress instruction sheet 9-135: 5,000 lb. manupress instruction sheet

MOUSER	Price
STOCK NO.	Each
9-125	.25
9-135	.25

ACCESSORIES FOR THE 3,000 LB. PRESS

187.83









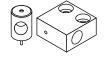
198.43



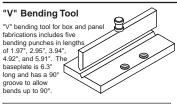


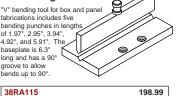
Enables the shear and cropping tool 38RA525 to cut circles in sheets from 2.76" (70mm) to 19.69" (500mm) radiuses.

Use with 38RA525



38RA425 56.50











38RA700

38RA800

381-5005



21.73

16.40



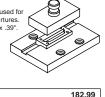
PCB Guide Panel Support

381-7004 112.79



38RA515

Louver forming tool is used for forming ventilation apertures. Aperture size is 1.73" x .39".

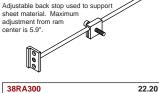




38RA015

fiberglass and 197' S.R.B.P. board aluminum and mild .197 steel. 38RA035 40.49







Used to form "feet" on the underside of enclosures. Approximate size of foot is .157" (4mm) diameter x .118" (3mm) high depending on material thickness .118" (3mm) Use with Die Holder 38RA201

381-7005 62.89

ACCESSORIES FOR THE 5,000 LB. PRESS

38RA215

Enables all tooling on the 3,000 lb Mouser metal working press (38RA005) to be utilized on the



381-5001 101.43

Cutting Tool Ideal for slitting to

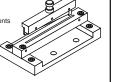
381-5003

Louver Tool

381-5004

accurate measurer without material distortion

Cutting capacity: .079" fiberglass, .063" mild steel, .096" aluminum



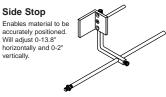
395.00

347.98

"V" Bending Tool Provides bends up to 11.8" wide. Supplied with 3 blades of 7.9" 9.8", and 11.8" lengths. Bending capacity: .063" mild steel. .098" aluminum



567.98



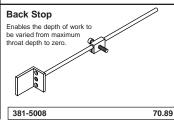
381-5007

Die Holder

Accommodates dies for 30-50mm punches complete with locking screws plus 4 press fixing screws.

Ideal for producing ventilation apertures in equipment panels. Aperture size is 3.94" length x .063" mild steel. .098" aluminum

Corner Notching Tool Cuts 90° notches up to 5.9' per side. Adjustable stops Ideal for box making. Capacity: .079 mild steel, .118' aluminum.



381-5002 82.65 381-5006



99.48

Punches, Dies, and Accessories for the 5,000 and 3,000 Lb. Presses

DIE HOLDERS FOR PUNCHES AND DIES

MOUSER STOCK NO.	Description	Price Each
	For use with round punches and dies	25.99
	3mm-12mm: 1/8" - 7/16"	
38RA181	For use with 12.5mm to 27.5mm & 1/2" to 1" dies	23.68
38RA201	For use with rectangular punches and dies	22.90



Compatible with both



"U" shaped strippers are used to separate the workpiece from the punch after operation. Allows continuous punching without resetting

MOUSER STOCK NO.	Aperture (mm)	Price Each
38RA402	16.5 (.65")	10.58
381-7003	22.5 (.89")	11.15

STRIPPERS

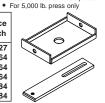
Enables work pieces to be separated from the punch after each operation which allows continuous hole punching without tool resetting.

Price MOUSER Type STOCK NO. 381-5010 66.27 Side plates 381-5011 Base plates (3-12mm) 23.64 381-5012 Base plates (12.5 - 27.5mm) 23.64 381-5013 Base plates (30-50mm) 23.64 381-5014 "D" stripper (9 and 15 pin) 69.84 381-5015 "D" stripper (25, 37, and 50 pin) 69.84

Metric

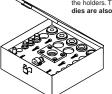
38RA140

 Two universal side plates accommodate all base plates



PUNCH AND DIE BOXED SETS

A series of four boxed punch and die sets covering the metric and standard ranges including the holders. These sets are designed for use with the 3,000 lb. press. All punches and dies are also compatible with 5,000 lb. manupress, but require adaptor 381-5001.



MOUSER STOCK NO.	Size Range Included	Price Each
38RA093	3mm to 12mm dia.	313.58
38RA096	1/8" to 7/16" dia.	180.29
38RA097	12.5mm to 27.5mm dia.	166.58
38RA099	1/2" to 1" dia.	137.53

CIRCULAR PUNCHES

- Finest quality tempered tool steel
- 4 larger sizes dedicated to the 5,000 lb. manupress (each has a retractable spring-loaded center pin included into the design for accurate hole alignment)

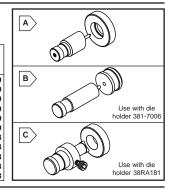
Compatible with both 3,000 and 5,000 lb. presses (Requires adaptor 381-5001 for use with 5,000 lb. manupress)

Metric

19.39

Size

iiiibeiiai									
	Price Each	MOUSER STOCK NO.	Fig.	Size Dia. (In.)	Price Each				
	Lacii	38RA261	В	1/8	19.39				
	19.39	38RA262	В	3/16	19.39				
	19.39	38RA263	В	1/4	19.39				
	19.39	38RA264	В	5/16	19.39				
	15.63	38RA265	В	3/8	19.39				
	16.53	38RA266	В	7/16	19.39				
	16.99	38RA281	С	1/2	17.38				
	15.45	38RA282	С	5/8	17.38				
	15.93	38RA283	С	3/4	17.38				
	17.38	38RA284	C	7/8	17.38				
	18.35	38RA285	С	1	17.38				



Metric	(5,000 lb. Press Only)

	(0	,000 15. 1 1	coo omy,
MOUSER STOCK NO.	Fig.	Size Dia. (mm)	Price Each
381-5020	Α	30	157.89
381-5021	Α	35	157.89
381-5022	Α	40	165.24
381-5023	Α	50	191.76

MOUSER STOCK NO.	Fig.	Size Dia. (mm)	Price Each
38RA131	В	3	19.39
38RA132	В	3.5	19.39
38RA133	В	4	19.39
38RA134	В	4.5	19.39
38RA135	В	5	19.39
38RA136	В	5.5	19.39
38RA137	В	6	19.39
38RA138	В	7	19.39
38RA139	В	8	19.39

MOUSER Dia. Fig. STOCK NO. (mm) 38RA141 10 38RA142 В 11 38RA143 В 12 38RA171 12.5 38RA172 14.5 38RA173 16.5 38RA174 20 С 38RA175 22.5 Ċ 38RA176 25 27.5 38RA177

D-SUB CONNECTOR PUNCH SETS

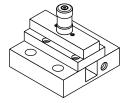
D-subminiature connector punch and die set is manufactured of high quality steel. All cutting edges are ground for working on a variety of sheet materials.

Stripping tool also available for continuous hole punching without having to reset.

Compatible with both 3,000 and 5,000 lb. presses (Requires adaptor 381-5001 for use with 5,000 lb. manupress)

Punch and Die Sets

MOUSER	No. of	Mounting	Cutout Size (In.)		Price
STOCK NO.	OCK NO. Pins	Mounting	Length	Width	Each
381-7601	9	Front	.84	.51	255.51
381-7602	9	Rear	.78	.44	255.51
381-7603	15	Front	1.17	.51	255.51
381-7604	15	Rear	1.11	.44	255.51
381-7605	25	Front	1.71	.51	270.57
381-7606	25	Rear	1.65	.44	270.57
381-7607	37	Front	2.35	.51	289.78
381-7608	37	Rear	2.30	.44	289.78
381-7609	50	Front	2.26	.62	289.78
381-7610	50	Rear	2.19	.55	289.78





Punch and Die Set

	Heavy Duty S	tripping Tools	Compatible with 3,000 lb. press only
--	--------------	----------------	--------------------------------------

	MOUSER STOCK NO.	No. of Pins	Cutout S	Size (In.)	Price
			Length	Width	Each
	381-7007	9 and 15	1.46	.54	50.79
	381-7008	25, 37, and 50	2.65	.65	50.79

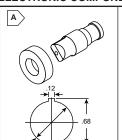
RECTANGULAR PUNCHES

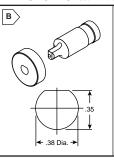
Compatible with both 3,000 and 5,000 lb. presses (Requires adaptor 381-5001 for 5,000 lb. manupress)

Use with die holder 38RA201

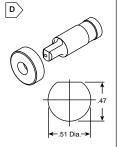
MOUSER STOCK NO.	Size (mm)	Price Each
38RA202	13.7 x 11.1	36.99
38RA203	15.9 x 13.0	39.99
38RA204	28.2 x 22.5	48.28
38RA205	28.4 x 11.4	46.88
38RA206	28.0 x 21.0	53.10
38RA207	29.4 x 22.0	48.72

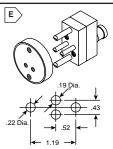
ELECTRONIC COMPONENT PUNCHES Use with die holder 38RA181

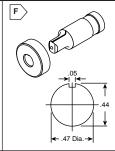












DIMENSIONS (IN.)

DIN Socket Punch and Die

IN SOCKEL PL	Inch	did Die Diagram snows noie d	ilmensions	
MOUSER STOCK NO.	Fig.	Description	Price Each	
81-7301	Α	Set will make a hole to fit all standard DIN chassis sockets	89.62	ı

BNC Punch a	nd D	lie Diagram shows hole d	imensions
381-7401	В	Set will make a hole to fit all standard BNC round sockets	45.67

BNC Insulator	r Pur	nch and Die Diagram shows ho	ole dimensions
381-7402	С	Set will make a hole to fit all standard BNC socket insulators	98.58



Diagram shows hole dimensions

MOUSER STOCK NO.	Fig.	Description	Price Each
381-7501	D	Will make a hole to fit all 20mm fuse holders & UHF round sockets	45.07

TO-3 Transistor Punch and Die with Stripper

Diagram shows hole dimensions E Set includes stripper to make a hole for mounting TO-3 transistors 132.77

AlphoT	Switch	Dunch	and	Dia
loggie	SWILLII	runcn	anu	DIE

Diagram shows hole dimensions 381-7701 F Set will make a hole to fit most standard toggle switches

98.58



381-7801

Panel Punches

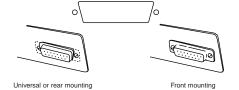
MOUSER® D-SUB CONNECTOR PUNCHES

The easiest way to cut holes in mild steel, aluminum, etc. is to use Mouser "D" connector hole punches. It is almost effortless when using the friction reducing ball race (which is supplied). It is a patented design, with only 6 steps from punching to mounting. 1/8" and 21/64" drills required (drills are not supplied). Punching capacity: Mild steel .065" (1.65mm), Aluminum .079" (2mm)

Front Mounting D-Sub Connector Punches

Rear Mounting D-Sub Connector Punches

9							
MOUSER	No. of	Dimensi	ons (In.)	Mounting	Price		
STOCK NO.	Pins	Length	Width	iviouriting	Each		
38DM919	9	.78	.445	Rear	247.51		
38DM928	15	1.11	.445	Rear	247.51		
38DM941	25	1.65	.445	Rear	247.51		
38DM958	37	2.30	.445	Rear	266.79		
38DM955	50	2.19	.55	Rear	266.79		

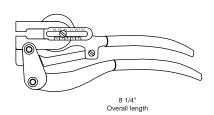


For precise installation when a universal punch just won't do								
MOUSER	No. of	Dimensi	ons (In.)		Price			
STOCK NO.	Pins	Length Width		Mounting	Each			
38DM921	9	.78	.51	Front	247.51			
38DM929	15	1.165	.51	Front	247.51			
38DM943	25	1.708	1.708 .51		247.51			
38DM959	37	2.354	.51	Front	266.79			
38DM957	50	2.26	.618	Front	266.79			

ALL PURPOSE HAND PUNCH

For metal, plastic or masonite

Anyone can punch sharp, burr-free holes in a variety of materials to 1/16" thick untempered metals, 3/32" phenolic, 1/4" masonite. Interchangeable die set from 1/16" dia. to 1/4" dia. punches tubing as small as 3/4" dia. Powerful leverage requires little effort to operate, Shears eyelets and leaves clean undamaged holes.



MOUSER STOCK NO.	Description	Price Each
534-1330	Hand punch	91.98
534-1331	1/16" die set	13.14
534-1332	5/64" die set	13.14
534-1333	3/32" die set	13.14
534-1334	1/8" die set	13.14
534-1335	5/32" die set	13.14
534-1336	3/16" die set	13.14
534-1337	7/32" die set	13.14
534-1338	1/4" die set	13.14
534-1339	Complete kit with hand punch and all die sets	177.39

$\textbf{PANEL PUNCHES} \;\; \text{$$\$$ Use of ball race optional other punches supplied with ball race}$

Price

Fach

46.61

51.84

51.84

51.84

58.69

156.65

345.96

Punching capacity: Mild steel .065" (1.65mm), aluminum .079" (2mm)



MOUSER

STOCK NO.

38SQ038

380-0126

380-0141

380-0168

38SQ034

380-0325

380-1450

Square Metric Hole Punches

Square hole punches

Hole Size

(mm)

9.53

12.6

14.1

16.8

19.1

32.5

45.0

Round Metric Hole Punches

380-0125, 380-0145 & 380-0165 do not require ball races

380-0250

* 380-0275

	MOUSER STOCK NO.	Hole Size (mm)	Price Each
	380-0125	12.5	16.53
	380-0145	14.5	19.50
	380-0165	16.5	19.50
*	380-0180	18.0	19.50
*	380-0200	20.0	19.50
*	380-0225	22.5	19.50

25.0

27.5

22.79

22.79



Round Metric Hole Punches

	MOUSER STOCK NO.	Hole Size (mm)	Price Each				
*	380-0300	30.0	22.79				
	380-0350	35.0	25.97				
	380-0400	40.0	27.33				
	380-0450	45.0	42.54				
	380-0500	50.0	51.60				
	380-0600	60.0	59.44				
	380-0700	70.0	121.36				
	380-0750	75.0	161.00				

Round Imperial Hole Punches

	MOUSER STOCK NO.	Hole Size (In.)	Price Each
*	38RH034	3/4	19.50
*	38RH078	7/8	19.50
*	38RH100	1	22.79
*	38RH114	1-1/4	22.79
	38RH112	1-1/2	31.88
	38RH134	1-3/4	42.54

Optional Ball Race

For use with square and round hole punches where ball races are optional.

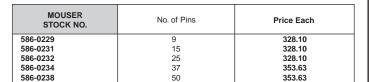
MOUSER STOCK NO.	Size	Price Each
38BB002	10mm	6.44

G GREENLEE

ELECTRONIC CONNECTOR PANEL PUNCHES

Features:

- Drill only one 7/16" pilot hole
- Use wrench or hydraulic drive methods
- Capacity 22-16 gauge mild steel
 Universal size for front or back mount of connectors
- 5 piece assembly: Punch, die, draw stud, square nut and ball bearing drive nut (in a plastic carrying case)





For 1/2"-2" conduit size use with slug-buster or standard punches

Features:

- 8 ton of force for punching, 10 gauge mild steel
- Adaptor converts standard Greenlee punches through 1-1/4" conduit sizes to use 7/16" draw stud for one-step punching
- punching
 Ideal for fast, straight-on front panel punching



MOUSER STOCK NO.	Description	Price Each
586-7804	Driver with 3 draw studs, 2 adaptors, 1 spacer and case	470.54

SLUG@BUSTER

INDIVIDUAL UNITS FOR EACH CONDUIT SIZE

Features:

- Each unit includes punch, die and drive screw
- Capacity 10 gauge mild steel
- Use with ratchet or quick draw driver
- Also available in metric units



MOUSER	Conduit Size	Actual Hole	Price	Each
STOCK NO.	(In.)	Dia. (In.)	1	5
586-3860	1/2	.885	26.50	
586-3861	3/4	1.115	38.37	Call
586-3862	1	1.362	43.89	For
586-3863	1-1/4	1.701	47.61	Quote
586-3864	1-1/2	1.953	60.59	
586-3865	2	2.421	73.84	

SLUGEBUSTER PUNCH SETS

Features

 Multi-size punch and die sets with draw studs packaged in self-contained custom-molded carrying cases. The unique slug buster punch design splits the slug in half allowing it to fall free from the die and stud. Set 586-3868 contains the new 3/8" draw stud with 1" hex head and a new 1" ratcheting wrench.



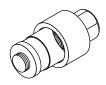
MOUSER STOCK NO.	Description	Price Each
586-3866 586-3867 586-3868	6 pc. set with punches & dies for 1/2" to 1-1/4" conduit & 2 draw studs 3 pc. set with punches & dies for 1-1/2" to 2" conduit & 1 draw stud 9 pc. set with punches & dies for 1/2" to 2" conduit, 2 draw studs & ratcheting 1" box end wrench	118.70 117.31 236.00





Punches, Drives, and Tools

G GREENLEE STANDARD METAL KNOCKOUT PUNCHES

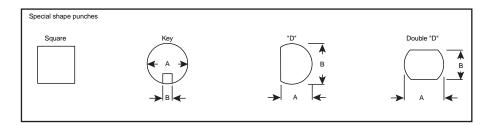


3-piece assembly: Punch, die, and draw stud

Operate manually using wrench to turn the threaded draw stud into the mating threads of the punch. This draws the punch into the die. shearing a hole in the material being punched. Can also be operated with ratchet or hydraulic punch drivers.

Type 730 (Round)

MOUSER	Hole Size	Capacity	Price	Each
STOCK NO.	(ln.)	(Gauge)	1	5
586-3801	1/2	16	21.00	
586-3802	9/16	16	24.50	
586-3803	5/8	16	24.50	Call
586-3804	11/16	14	27.00	For
586-3805	3/4	14	27.00	Quote
586-3806	13/16	14	27.00	
586-3807	7/8	10	23.00	
586-3808	15/16	14	29.00	
586-3809	1	14	31.00	
586-3810	1-1/16	16	31.00	
586-3811	1-1/8	14	31.00	
586-3814	1-1/4	16	31.00	
586-3815	1-5/16	16	31.00	
586-3816	1-3/8	16	43.50	
586-3817	1-1/2	16	49.00	
586-3818	1-5/8	10	54.00	
586-3819	1-3/4	10	59.00	Call
586-3820	1-7/8	10	69.00	For
586-3821	2	10	71.00	Quote
586-3822	2-1/8	10	75.00	
586-3823	2-1/4	10	82.00	
586-3824	2-1/2	10	118.00	



Conduit Punches

MOUSE	MOUSED	Conduit Size	Capacity	Price	Each
STOCK	NO.	(In.)	(Gauge)	1	5
586-3880		1/2	10	23.50	
586-3881		3/4	10	36.50	Call
586-3882		1	10	41.00	For
586-3883		1-1/4	10	44.00	Quote
586-3884		1-1/2	10	55.00	
586-3885		2	10	65.50	

Square (Formerly 731 Series)

Use to punch holes for switches and instruments in enclosures

- Accurate alignment
- Burr-free holes
- Punch up to 14 gauge mild steel
- 5-piece assembly: Punch, die, draw stud, square nut and ball bearing drive nut

MOUSER	Hole Size	Capacity		
STOCK NO.	CK NO. (In.) (Gauge)	1	5	
586-3827	.5	14	137.00	
586-3828	.625	14	137.00	Call
586-3829	.75	14	144.00	For
586-3830	.875	14	156.00	Quote
586-3831	1	14	189.00	

Key (Formerly 732 Series)

MOUSER	Size (In.)	Capacity	Price	Each
STOCK NO.	A x B	(Gauge)	1	5
586-3832	.481x.055	14	153.00	Call
586-3833	1.171x.123	14	180.00	For
586-3834	1.265x.156	14	202.00	Quote
586-3835	1.328x.102	14	249.00	QuOIE

"D" (Formerly 733 Series)

MOUSER	Size (In.)	Capacity	Price	Each
STOCK NO.	A x B	(Gauge)	1	5
586-3837	.469x.5	14	137.00	Call
586-3838	.594x.625	14	146.00	For
586-3839	.703x.75	14	153.00	Quote

Double "D" (Formerly 734 Series)

MOUSER	Size (In.)	Capacity	Price	Each	
STOCK NO.	A x B	(Gauge)	1	5	
586-3870	.769x.642	14	161.00		
586-3871	.795x.697	14	174.00	Call	
586-3872	.913x.756	14	202.00	For	
586-3873	.913x.795	14	202.00	Quote	
586-3874	1-3/8x1-1/8	14	209.00		

EXECUTION WIDE ROLL EYELETS

Highest engineering standards maintained to produce these eyelets to uniform dimensions. Guaranteed to be within listed tolerances. A choice of most popular sizes in general use for electronic circuitry.

Features:

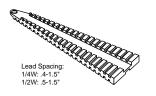
- Material: brass
- Plating: bright electro tin
 Precision made
 Solderability retained indefinitely

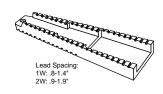




MOUSER	Hole Size of		Dimensi	ons (In.)			Price	Each	
STOCK NO.	Material to	,	4	В	С	1	100	500	1000
STOCK NO.	be Eyeleted	I.D.	O.D.	В		'	100	300	1000
534-22	1/16	.045	.059	.062	.105	.05	.026	.024	.013
534-23	1/16	.045	.059	.093	.105	.06	.028	.026	.015
534-24	1/16	.045	.059	.125	.105	.06	.029	.026	.015
534-25	1/16	.045	.059	.156	.105	.07	.034	.030	.017
534-26	1/16	.045	.059	.187	.105	.07	.035	.032	.018
534-27	1/16	.045	.059	.219	.105	.08	.041	.037	.021
534-33	3/32	.070	.089	.093	.150	.06	.028	.025	.014
534-34	3/32	.070	.089	.125	.150	.06	.028	.026	.015
534-35	3/32	.070	.089	.156	.150	.06	.029	.026	.015
534-36	3/32	.070	.089	.187	.150	.06	.030	.027	.015
534-37	3/32	.070	.089	.219	.150	.06	.032	.029	.016
534-43	1/8	.102	.121	.093	.200	.06	.031	.028	.016
534-44	1/8	.102	.121	.125	.200	.06	.032	.029	.016
534-45	1/8	.102	.121	.156	.200	.07	.034	.031	.017
534-46	1/8	.102	.121	.187	.200	.07	.035	.031	.017
534-47	1/8	.102	.121	.219	.200	.07	.037	.035	.019
534-48	1/8	.102	.121	.250	.200	.07	.037	.035	.019

SPEEDY BEND LEAD FORMERS





Features:

- Watt size indicates approximate package size
- lead spacing
- · Each lead former is graduated in .05" increments

MOUSER STOCK NO.	Description	Price Each		
	(Approx. Size)	1	5	
5166-801 5166-901	1/4 watt, 1/2 watt 1 watt, 2 watt	2.94 3.54	2.45 2.95	

EXEXPENDE "BASIC" STAKING TOOL KIT

Features:

- Build terminal boards
- · Mount components quickly
- Repair circuits
- Make prototypes, at your desk

Each kit contains two 1/4" staking tools, two bottom anvils, one toolholder plus instructions. The two staking tools are for shank diameters of .062" to .098" and .110" to .125" respectively.

	MOUSER STOCK NO.	Description	Price Each		
		Description	1	5	
	534-1721	Staking kit	20.71	18.63	



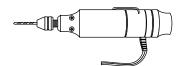
For single end terminals, eyelets or rivets





Drills, Drill Bit Sets, and Accessories

ISOATIP. MINI DRILL



Features:

- Variable speed 10,000 to 21,000 RPM
- Low voltage / high power
- Fan Cooled
- Lightweight / balanced design
- Permanently lubricated ball bearing
 Three-jaw universal chuck up to .140" shank
- 6 ft. cord

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Price Each		
	1	5	
557-6636	78.95	75.00	

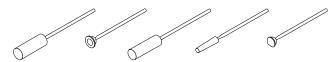
ISONTIR 15 PIECE STEEL DRILL KIT



• 15 sizes .015" to .119"

MOUSER STOCK NO. Description	Price Each				
	Description	1	5	10	25
557-6642	15 piece steel drill kit	15.95	15.15	14.39	13.67

ISORTIP GRINDING STONES ASSORTMENT KIT



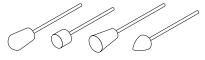
MOUSER STOCK NO.	Description	Price Each				
		1	5	10	25	
557-6702	Grinding stones assortment	6.45	6.13	5.82	Call	

ISOATIR 15 PIECE ALL PURPOSE KIT



MOUSER	MOUSER STOCK NO. Description	Price Each				
		1	5	10	25	
557-6638	15 piece all purpose kit	22.95	21.80	20.71	19.68	

ISOATIR FELT POLISHER ASSORTMENT KIT



MOUSER STOCK NO.	Description	Price Each			
		1	5	10	25
557-6680	Felt polisher assortment	5.35	5.08	4.83	Call

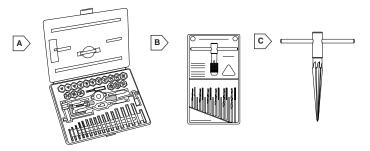
GENERAL PURPOSE DRILL BITS

Features:

- Sizes for PC board applications
- High speed steel
 Straight shank
- Black finish

MOUSER	Drill Size			Price Each			
STOCK NO.	Drill No.	Hole Size (In.)	Length (In.)	1	10	20	50
5876-409-52	52	.0635	1 7/8	.85	.77	.70	
5876-409-55	55	.0520	1 7/8	.85	.77	.70	Call
5876-409-60	60	.0400	1 5/8	1.01	.92	.84	For
5876-409-66	66	.0330	1 3/8	1.15	1.05	.95	Quote
5876-409-69	69	.0292	1 3/8	1.35	1.23	1.12	
5876-409-75	75	.0210	1	1.55	1.41	1.28	
5876-409-80	80	.0135	3/4	1.55	1.41	1.28	

TOOL SETS



40 Piece Super Tap and Die Set

#4-1/2"NC and NF sizes

MOUSER STOCK NO.	Fig.	Description	Price Each
5876-44332	А	Carbon steel plug taps with 1" round screw adjusting dies for 17 most common thread sizes. Includes die stock, tap wrench, (2) T-handle tap wrenches, screw pitch gauge, screwdriver, and molded case.	126.32

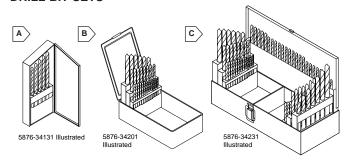
13 Piece Threading Set

		3	
5876-41095	В	Packed in an attractive vinyl display pouch. Contents: 6 wire	11.68
		gauge 135° split point screw machine length HSS drill bits,	
		no.'s 43, 35, 29, 25, 21, and 7; 6 plug taps, 4-40NC,	
		6-32NC, 8-32NC, 10-24NF, and 1/4-20NC plus tap wrench	

T-Handle Reamer

5876-44268	С	Hardened and ground steel reamer for removing burrs or enlarging holes in sheet, plastics and similar material.	8.40
		Enlarges holes 1/8" to 1/2"	

DRILL BIT SETS



- Industrial quality High speed steel
- Black ferous oxide finish cases (Except 575-34246 which is plastic)
 Straight shanks (except for 575-34156 which has 3/8" reduced shanks)

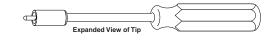
For quantities greater than listed, call for quote.

	OCK NO.	Fig.	Description	Price Each
587	76-34246	Α	20 piece set: No. 61-80 (.0390"0135"), plastic case	18.14
587	76-34131	Α	13 piece set: No. 1/16" - 1/4" in 1/64" increments	11.49
587	76-34156	В	15 piece set: No. 1/16" - 1/2" in 1/32" increments,	35.34
			3/8" reduced shanks	
587	76-34181	В	21 piece set: No. 1/16" - 3/8" in 1/64" increments	30.30
587	76-34201	В	29 piece set: 1/16" - 1/2" in 1/64" increments	61.49
587	76-34241	В	60 piece set: No. 1-60 (.2280"0400")	44.69
587	76-34231	С	115 piece set: 1/16" - 1/2" in 1/64" increments;	183.92
			letters A-Z (.2340"4130") No. 1-60 (.2280"0400")	

KNURLED NUT TOOL

Designed specifically for tightening 4mm and 6mm slotted knurled nuts. This is the perfect tool for Mouser's 2.5mm and 3.5mm phone jacks: P/N's 16PJ100/125/126/128 (2.5mm) and 16PJ011/135/136/137/138 & 164-1010 (3.5mm)

MOUSER	Knurled Nut	Blade	Total	Price Each			
STOCK NO.	Size (mm)	Length (In.)	Length (In.)	1	5	10	
382-0004	4	3	5 7/8	6.99	5.60	Call	
382-0006	6	3	5 7/8	6.99	5.60	Call	



- · Introduced by popular demand
- Nickel plated finish
 Accurately mates into knurled nut slots which are spaced 180° apart.

To be used on knurled nuts, on jacks, or the replacement knurled nuts, 48KN004 and 48KN006 sold on page 317.



PANAVSE Vises, Presses, and Accessories

STANDARD BASE (300)

Standard base holds all regular 300 series heads and PCB holders. Split-ball feature permits work in various positions - turns and tilts. 3 base mounting holes in the lugs allow permanent mounting of base.



\$ 19.99

\$ 38.99

591-305

591-303

LOW PROFILE BASE (305)

Low profile base has same features as model 300 except it is only 2 1/2" high, for working close to bench surface. Can also be permanently mounted.



\$ 19.99

WEIGHTED BASE MOUNT (308)

Weighted base mount holds model 300 or 305 base with 3 screws and nuts, which are included. Weighs 5 lbs., cast iron.



591-308 \$ 27.99

BENCH CLAMP (311)

591-300

591-311

Bench clamp designed for bases 300 and 305 with screws supplied. Height 6 3/4", throat depth 2 3/8", gripping range 0"-3 1/2"



STANDARD VISE HEAD (303)

Standard vise head has 2 1/2" wide nylon jaws that open 2 1/4" and allow firm but damage-free grip. Fits 300 and 305 bases.



\$ 23.99

NYLON JAWS (343 AND 344)

No. 343: Nylon jaws for 303 vise; type 66 nylon; electrical insulation withstands continuous heat of 200°F

No. 344: Grooved nylon jaws with horizontal V-groove designed to hold small objects

0 0 | | | No. 343

回() No 344 Grooved nylon jaws

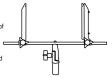
Nylon jaws for 303-1 Vise 591-343

591-344

\$ 2.49 \$ 3.49

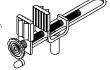
CIRCUIT BOARD HOLDER (315)

Circuit board holder; holds PC boards of any shape, up to 12:" wide in any position. Tension arm permits easy board insertion. Both arms extend 6" from the bar, with V-grove grip designed to hold PCB's up to 5/32" thick. Fits all 300 series bases.



591-315 \$ 29.99 WIDE OPENING VERTICAL VISE **HEAD (366)**

Wide opening vertical vise head fits all 300 series bases. Neoprene reversible replaceable pads, rotates 360°. Tilt action 180°, grip range 0"-6", jaw pad width 1 3/4", throat depth 2".



591-366 \$ 30.99 STANDARD PANAVISE (301)

All purpose work holding unit. It tilts, turns, and rotates. This combination consists of the 300 Standard Base and the 303 Standard Head which has 2 1/2" wide nylon jaws that open 2 1/4" for firm but damage free grip. Control knob locks the work firmly in any position.



591-301 \$ 42.99

WIDE OPENING HEAD (396)

A combination of the 366 Wide Opening Head and the 300 Standard Base, which makes this holding device very versatile for production lines, technicians, and designers. It opens to a full 6" to accommodate most PC boards. The deep-ribbed neoframe jaw pads reverse to hold delicate cylindrical objects: such as timers, coils, motor armatures, etc...



591-396 \$ 45.99

ELECTRONIC WORK CENTER (324)

A complete electronic work center. The work station gives you a circuit board holder, standard base, tray base mount, and solder station, all in one package. Keeps work areas more efficient and manageable.

Soldering iron not included

591-324 \$ 76.99

PV JR. MINI PANAVISE (201)

More like a tool than a vise, the grooved jaws open to 2 7/8" and are made of fiber reinforced thermal composite alloy. Jaws are controlled with a fine/coarse adjusting knob which permits very delicate work.



591-201 \$ 19.95

VACUUM BASE (380-45)

A special base for portable applications Moving the black-tipped lever arm attaches the vacuum base instantly to any smooth nonporous surface, without marring. A flip of the lever releases the base. Accepts all 5/8" stems into base. Special head can tilt 45



591-380-45 \$ 31.99

TRAY BASE MOUNT (312)

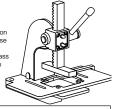
Designed for the low profile, and standard base. This is a very stable work platform, yet is easily portable. Six individual trays are cast into base for holding of small parts. Tray mount is exceptionally stable and resists tipping. It has 6 non-marring, anti-skid base pads. Standard base attached with 3 screws included with base.



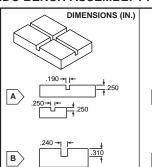
591-312 \$ 19.99

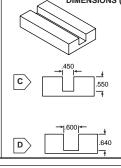
IDC BENCH ASSEMBLY PRESS (505)

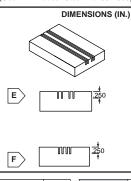
rugged, practical installation tool designed for low volume, mass termination of various IDC connectors on flat (ribbon) cable. Interchangeable base plates accommodate a broad range of IDC connectors, and are capable of mass terminating up to 64 conductor cable in seconds without wire stripping or soldering

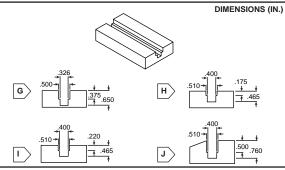


IDC BENCH ASSEMBLY PRESS ACCESSORIES (Use with Mouser Stock No. 591-505)









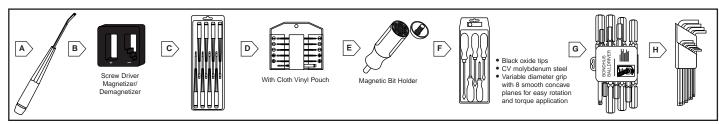
MOUSER STOCK NO.	Fig.	Description	Price Each
591-510	Α	For female socket transition connectors. Fits: Ansley,	26.99
		Amphenol/Spectra Strip, 3M/AP Products, Alpha, Augat, Souriau	
591-510A	В	For female socket transition connectors. Fits: Belden	26.99
591-511	С	For card edge connectors. Fits: Ansley, 3M/AP Products, Alpha	26.99
591-511A	D	For delta type connectors. Fits 3M/AP Products	26.99
591-512	Е	For standard DIP plugs. Fits: all makes either .100" x .300" or .100"	26.99
		x .600" (industry standard sizes)	

	MOUSER STOCK NO.	Fig.	Description	Price Each
	591-512A	F	For miniature DIP Plugs. Fits: all makes .100" x .100" (industry	26.99
			standard)	
	591-513	G	For D-sub connectors. Fits: Ansley, Alpha	26.99
1	591-513A	Н	For D-sub connectors. Fits: 3M/AP Products #925140-25-R male,	26.99
			3M/AP Products #925145-25-R Female, AMP RS232 male and female	
	591-513B	- 1	For D-sub connectors. Fits: H & T	26.99
	591-513C	J	For D-sub connectors. Fits: Belden	26.99
•				_





Tools



PRECISION CHIP LIFTER-



Blade: Chrome-vanadium-molybdenum-steel, hardened, chrome-plated

• Handle: Slender, high quality plastic, impact resistant, black, cadmium free

MOUSER	Fig.	Description		Each
STOCK NO.		Description	1	5
596-26810 A		Lifts off tight parts on printed circuit boards	7.30	6.21

MAGNETIZER/DEMAGNETIZER-



596-40010 B Housed in shatter proof ABS plastic	8.90	7.57
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PRECISION TOOL SETS- (WIND) BRAND



Ω	Diaca	Nutdriver	Sate
0	riece	nutariver	Sets

MOUSER			Price Each	
STOCK NO.	i ig.	Contains	1	5
596-26590	С	60mm Metric nutdrivers: 2.5mm, 3.0mm, 3.5mm,	59.30	50.41
		4.0mm, 4.5mm, 5.0mm, 5.5mm, 6.0mm		
596-26591	С	60mm Imperial nutdrivers: 3/32", 7/64", 1/8",	58.90	50.07
		9/64", 5/32", 3/16", 7/32", 1/4"		

Hexdriver Sets

596-26390	С	7 Piece metric hexdrivers: .71 x 40mm, .89 x 40mm, 1.3 x 40mm, 1.5 x 50mm, 2.0 x 50mm, 2.5 x 60mm, 3.0 x 60mm	29.70	25.25
596-26391	С	8 Piece imperial hexdrivers: .028" x 40mm, .035" x 40mm, .050" x 40mm, .1/16" x 50mm, 5/64" x 50mm, 3/32" x 60mm, 7/64" x 60mm, 1/8" x 60mm	33.20	28.22

Torx® Driver Set

596-26790	С	T6, T7, T8, T9, T10, and T15 with case	36.20	30.77	

Screwdriver Sets

MOUSER	F:	Contains	Price Each	
STOCK NO.	Fig.	Contains	1	5
596-26090	С	Slotted: 1/16", 5/64", 3/32", 1/8", 9/64", & 5/32"	25.40	21.59
596-26190	С	Slot/phil: 1/16", 5/64", 3/32", 1/8", #00, #0 & #1	29.98	25.48
596-26990	D	Handle and 3 reversible tips: 2mm x #00,	30.30	25.76
		3mm x #0, 4mm x #1		
596-26991	D	Handle and 5 reversible tips: 1.5 x 3mm,	49.10	41.74
		2 x 3.5mm, 2.5 x 4mm, #000 x #00, #0 x #1		

PRECISION TOOL SETS- (With) BRAND (cont.)

1/4" Magnetic Bit Holder Set • Insulated blade for safety

MOUSER STOCK NO.	Eia	Fig. Contains	Price Each	
	rig.		1	5
596-38006	Е	Insulated magnetic bit holder with 1/4" drive. Bits 1", 3/16", 1/4", 5/16", #1, #2, and #3	17.80	15.13

Mechanics' Power Handle™ Screwdriver Set

596-30892	F	Slotted, 7/32" x 4", 1/4" x 5", 3/8" x 7"	39.00	33.15	
		Phillips, #1 x 3" and #2 x 4"			

©EBONDHUS∃© TOOL SETS

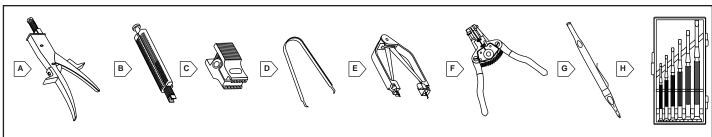
Balldriver® Hexdriver Sets • Industrial quality hardened blades

		' '		
MOUSER	Fig.	Contains	Price	Each
STOCK NO.	rig.	Contains	1	5
596-10632	G	8 piece set includes: .050", 1/16", 5/64", 3/32",	16.15	13.73
		7/64", 1/8", 9/64", 5/32"		
596-10637	G	13 piece set includes: .050", 1/16", 5/64", 3/32",	41.13	34.96
		7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16",		
		3/8"		
596-10687	G	7 piece set includes: 1.5mm, 2mm, 2.5mm, 3mm,	15.53	13.20
		4mm, 5mm, 6mm		
596-10699	G	9 piece set includes: 1.5mm, 2mm, 2.5mm, 3mm,	33.05	28.09
		4mm, 5mm, 6mm, 8mm, 10mm		

Balldriver® L-Wrench Sets

• Industrial quality hardened blades

Ballallion E i		Ti Goto - industrial quality flaractica blades		
MOUSER	Fig.	Contains	Price	Each
STOCK NO.	1 ig.	Contains	1	5
596-10932	Н	8 piece set includes: .050", 1/6", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32"	7.99	6.79
596-10938	Н	10 piece set includes: 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"	10.95	9.31
596-10936	Н	12 piece set includes: .050", 1/6", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16"	13.90	11.82
596-10937	Н	13 piece set includes: .050", 1/6", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"	17.72	15.06
596-10946	Н	6 piece set includes: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm	5.99	5.09
596-10999	Н	9 piece set includes: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm	14.74	12.53



DELUXE NIBBLING TOOL

MOUSER STOCK NO.	Fig.	Description	Price Each
524-806	Α	Nibbler with spring operated stripper	15.46

ANTI-STATIC IC INSERTION TOOLS

524-12-4108	В	8 pin insertion tool	10.45
524-12-4116	В	14 - 16 pin insertion tool	10.45
524-12-4120	В	18 - 20 pin insertion tool	10.38
524-12-4122	В	22 pin insertion tool	13.32
524-12-4128	В	24 - 28 pin insertion tool	13.32
524-12-4140	В	36 - 40 pin insertion tool	13.32

IC EXTRACTOR TOOLS

38IC565	С	Spring action clip extractor for use up to 16 pin	3.41
524-9227	D	IC spring steel extractor	3.22

PLASTIC LEADED CHIP CARRIER (PLCC) REMOVAL TOOL

MOUSER STOCK NO.	Fig.	Description	Price Each
381-1000	Е	PLCC removal tool, anti-static	13.50

STANDARD WIRE STRIPPERS

524-766	F	12 - 20 AWG stripper	18.04
524-766-A	F	14 - 30 AWG stripper	19.25



594-81000	G	Glass filled hylon body, stainless	steel blades	1.00
PRECISION	SC	REWDRIVER SET	• Sizes (mm): 8 1	4 20 24 29 38

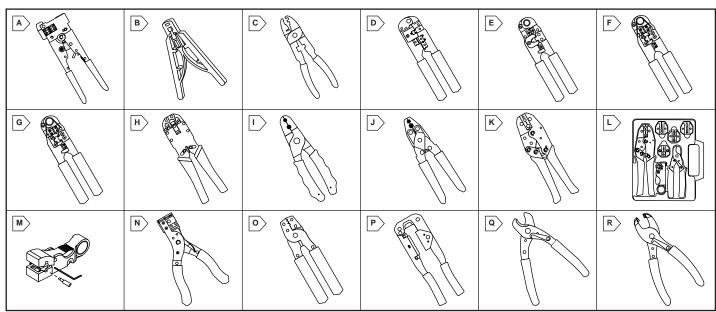
H 6 piece slotted set with clear-view plastic case





38TS100

Tools



MODULAR CRIMPING TOOLS

"Category 5" High Performance Crimp Tool

- Cuts, strips, and terminates cable
 All plug sizes, except 10-position, are
- accommodated using interchangeable die sets

MOUSER STOCK NO.	Fig.	Description	Price Each
571-32316520	А	8-position modular crimp tool with die	108.95

Economy Hand Tool

Strips and terminates capie Light weight					
571-2316481	В	For 2, 4, and 6-position plugs	24.95		
571-2316491	В	For 4-position handset plugs	24.95		

Super Champ Hand Tool

· Separate nests for terminating wires and engaging the insulation strain relief

571-1897101	С	2, 4, 6, & 8-position line; long	29.95	
		and keyed modular plugs		

Professional Hand Tools with Die Set

- Cuts, strips, and terminates cable
 All plug sizes, except 10-position, are
- accommodated using interchangeable die sets

571-22316521	Α	For 8-position line	108.95
571-22316523	Α	For 4-position handset	108.95
571-22316526	Α	For 6-position offset-latch	108.95
571-22316527	Α	For 6-position long body	108.95
571-22316528	Α	For 4, 6-position line	108.95

Die Set Only for Professional Hand Tool

MOUSER STOCK NO.	Description	Price Each
571-8534001	8-position line	36.00
571-8534003	4-position handset	36.00
571-8534006	6-position offset-latch	36.00
571-8534007	6-position long body	36.00
571-8534008	4.6-position line	36.00
371-8534008	4,6-position line	30.00

Professional Hand Tool Kits

MOUSER STOCK NO. Description Price Each 571-12316660 4, 6, 8-position die sets, set of replacement strip blades and small screwdriver 168.95 571-12316661 4-position handset, 4, 6, and 8-position die sets, set of replacement strip blades and small screwdriver 201.50 571-2316625 (1) set of strip blades 4.95	Totossional Hand Tool Has				
replacement strip blades and small screwdriver 571-12316661 4-position handset, 4, 6, and 8-position die sets, set of replacement strip blades and small screwdriver					
screwdriver 571-12316661 4-position handset, 4, 6, and 8-position die sets, set of replacement strip blades and small screwdriver	571-12316660	4, 6, 8-position die sets, set of	168.95		
571-12316661 4-position handset, 4, 6, and 8-position die sets, set of replacement strip blades and small screwdriver		replacement strip blades and small			
8-position die sets, set of replacement strip blades and small screwdriver		screwdriver			
replacement strip blades and small screwdriver	571-12316661 4-position handset, 4, 6, and				
small screwdriver		8-position die sets, set of			
		replacement strip blades and			
571-2316625 (1) set of strip blades 4.95		small screwdriver			
	571-2316625	(1) set of strip blades	4.95		

MODULAR CRIMPING TOOLS

Economy 3-Way Modular Crimping Tools

- · Cuts, strips, and crimps
- Black oxide finish
- Hardened steel frame
- Lightweight and durable

Each
16.43
s 16.43
17.89
,

3-Way Modular Crimping Tools

- Deluxe types with Safe Guide and closed lock for storage
- Cuts, strips, and crimps Hardened steel frame
- Black oxide finish
 Lightweight and durable

MOUSER STOCK NO.	Fig.	Description	Price Each
382-2094C	Е	For 4P4C and 4P2C plugs	17.76
382-2096C	E	For 6P6C, 6P4C, & 6P2C plugs	19.38
382-210C	F	For 8P8C modular plugs	21.48
382-2092C	G	For 10P10C modular plugs	34.10

Replacement Blades

MOUSER STOCK NO.	Fits	Price Each
	382-2194, 382-2196, 382-2198, 382-2094C, and 382-2096C	3.72

Professional Modular Crimping Tool

8" professional modular crimping tool cuts, strips, and crimps the more popular modular plugs. This tool is designed for crimping 8P8C, 6P6C, 6P4C, 6P2C, 4P4C, and 4P2C modular plugs with stranded flat wire.

MOUSER STOCK NO.	Fig.	Description	Price Each
382-2008	Н	For 4, 6, and 8-position plugs	99.95

"F" CRIMPING TOOLS

Economy "F" Crimping Tools

MOUSER STOCK NO.	Fig.	Description	Price Each
382-0058	- 1	For RG-58/U	3.44
382-0059	- 1	For RG-59/U	3.29

Parallel Action "F" Crimping Tool

		· -	
MOUSER STOCK NO.	Fig.	Description	Price Each
382-0242	J	9" deluxe hex type for RG59 and aluminax RG6	8.55

COAX CRIMPING TOOL

• Crimps: RG6, 59, 62, 140, 210, Belden 8279, 55, 58, 141, 142, 223, 303, 400, fiber optic

MOUSER STOCK NO.	Fig.	Description	Price Each
382-301C	K	Ratchet hex tool for F, FNC, TNC, N, Teflon, Thinnet-PVC, and Fiber Optic connectors	36.89
382-0330	L	Coax tool kit, includes: (1 ea.) 382-301C Heavy Duty Professional Hex Crimp Tool, assortment of dies to work with the following types of coaxial cable: R66, 8, 8X, 9, 11, 55, 58, 59, 62, 87A, 122, 140, 141, 142, 149, 165, 174, 178, 179, 180, 187, 188, 195, 210, 213, 214, 216, 223, 225, 303, 316, 400, Fiber Optic, Belden types 8218, 8279, and 9913, Coax stripper that works with RG58, 59, 62, 6, and 3C2V cable, Heavy duty 6-1/2" cable cutter that works with .16" to .413" cable	89.95

ROTARY CABLE STRIPPERS

· 3 blade models

Comes with allen wrench

· No replacement cassettes needed

adjustment tool

382-312A M Preset for stripping RG59/62/6 21.76 382-312B М Preset for stripping RG58/59/62 21.76

CABLE TIE TOOL

• Accepts cable ties up to .07" thick • Steel

N 6-1/2" long, black oxide finish 12.40 382-2081

D-SUB CRIMP TOOL

382-0213	0	For computer pins and sockets	18.48
		D-sub 20-28 AWG wire	

IDC CRIMPING PLIERS

Easy to assemble flat cable onto IDC type connectors
 Crimping distance for connectors height from .236" to 1.06"

382-0214 P 9-1/2" long, steel frame 18.15

CABLE CUTTER

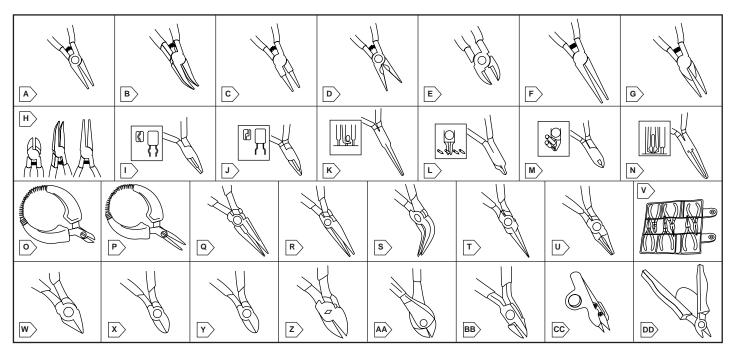
 Hardened carbon steel
 Curved blade cuts wire .016" to .413" Q 6-1/2" long, black oxide finish 8.37 382-0206

STRAIN RELIEF AND FITTING PLIER

 Bushing capacity up to 3/4" diameter
 For STP-1 and STP-2 wire 382-0205 R 6.8" long, steel material, and black oxide finish



Electronic Pliers



MINIATURE PLIERS

Ideal for precise PCB work. Recommended for cutting copper and soft lead wires. Return spring, durable box joint and smooth insulated grips. Long nose pliers have serrated tips with smooth inside jaw.

MOUSER STOCK NO.	Fig.	Description	Price Each
382-0152	Α	4" flat nose pliers	5.81
382-0153	В	4" bent nose plier, 45° slant	5.81
382-0154	С	4" straight nose internal pliers	5.81
382-0155	D	4" long nose with side cutter and serrated tip	5.50
382-0300	Е	4 1/2" side cutter, flush cut	5.45
382-0302	F	5" flat nose plier with smooth jaws	5.45
382-0305	G	4 1/2" long nose without cutter, serrated tip	5.45
382-0704	Н	3 pc. plier set incl. 5" long nose, 4 1/2" side cutter, 5" bent nose	15.74

PC BOARD "DREAM" TOOLS

Small, lightweight pliers. Designed primarily for holding, bending, and cutting fine wires in electronic, radio, TV, and electrical work.

• Take a look at what these pliers can do Take a look at what these pliers can do

MOUSER STOCK NO.	Fig.	Size (In.)	Description	Price Each
383-1001	I	4 1/2	Lead Forming, forms strain reliefs in component leads and indents in leads to hold components during wave soldering.	24.09
383-1002	J	4 1/2	Lead Bending, for adjusting lead spacing on small components.	24.09
383-1003	K	5 1/2	Bent Nose, manipulates and dresses components in tight spaces.	23.71
383-1004	L	5	Nippers, very narrow cutting head for cutting in close spaces.	25.41
383-1005	М	5	Tip Cutters, cutting tool for those crowded, inconvenient areas.	25.41
383-1006	N	5 1/4	End Cutting Nippers, "Top down" cutting for high density areas.	27.10

PALM GRIP SERIES

Precision, rust proof stainless steelSpring loaded with minimal travel Good for: PC boards, setting precise and small parts, assembling plastic hobby models, cutting small wires, fishing, and hundreds of other tasks

MOUSER STOCK NO.	Fig.	Color	Description	Price Each
382-1017 O Red			Flush cutter	14.87
382-1018	Р	Blue	Flat nose pliers (serrated)	14.87
382-1019		Tan	Flat nose pliers	14.87
382-1020		Yellow	Round nose pliers	14.87
382-1021	21 Green		Needle nose pliers	14.87
382-1022		Orange	Curved nose pliers	14.87

Diamond'/Xcelite PLIERS

Models with an asterisk (‡) have unique corrosion proof Copaloy® copper alloy rivet joints. They act like precision bearings to eliminate steel-on-steel friction and maintain perfect alignment of tips and cutting edges. All Copaloy® pliers come with coil springs. All models below have green plastic handles.

For quantities greater than listed, call for quote

	MOUSER STOCK NO.	Fig.	Size (In.)	Description	Price Each
*	578-SN54	Q	4 7/8	Long nose with side cutter, finely scored jaws	14.53
*	578-SN55	Q	5 13/16	Long nose with side cutter, finely scored jaws	14.52
*			4	Long nose subminiature, very fine point	11.78
	578-LN56P R 6 3/4		6 3/4	Long nose diamond scored jaws for extra grip. For radio	10.89
				and telephone workers	
*	578-LN54	R	4 7/8	Long nose finely scored jaws	12.93
*	578-LN55	R	6	Long nose finely scored jaws	13.29
*	578-CN54	S	4 9/16	Long curved nose (Approx 60°), smooth jaws	14.54
*	578-NN54	Т	4 7/8	Needle nose finely scored jaws	15.24
*	578-NN54-1	Т	4 7/8	Needle nose smooth jaws, slightly rounded edges	15.32
*				13.89 91.77	
*	578-C1 V			Includes MS54, SN54, LN54, NN54, plus 4" traverse end	
	550 1105 1 5 1 11 1 1 1 1 1			cutter, 4" flat nose pliers & leather pouch w/ brass snaps	
*	578-MS54-5	W	4 1/8	Flush cutting straight cutter, 7/16" cutting blade	12.59
*	578-MS54-7	X	4 1/8	Flush cutter, 7/16" cutting blade	13.32
*	578-MS54	Υ	4 1/8	Diagonal cutting general purpose, 7/16" cutting blade	11.82
	578-S54P	Z	4 1/2	Diagonal cutting general purpose, 5/8" cutting blade	13.13
	578-S55P	Z	5 1/16	Diagonal cutting general purpose, 3/4" cutting blade	12.78 12.63
	578-SS57P	AA	7 1/8		
*	578-MS54-3 BB 4 1/8 Diagonal cutting thin flush cutter, ground down on back		13.44		
				side	

SPEED CUTTER

For quantities greater than listed, call for quote.

•				
MOUSER STOCK NO.	Fig.	Size (In.)	Description	Price Each
578-1570B	СС		Versatile, 4-3/4" light-weight cutter with stainless steel replaceable blades. Heavy duty contoured frame	6.76

GC CLIP AND GRIP FLUSH CUTTER

			r or quantition grouter than notice, can	or quoto.
MOUSER STOCK NO.	Fig.	Size (In.)	Description	
524-12-504 DD			Forged alloy steel cutters for wire up to .047" dia. (18 AWG). Retainer holds clipped ends	

Crescent TOOLZALL™ MULTI-PURPOSE TOOL

- Consists of 12 of the most popular tools available
 Built from stainless steel for longer life
- Ideal for the professional and handyman
 Adjustable/replaceable tool components
- Limited lifetime warranty
- Built in USA by Crescent®



MOUSER	Description		Each
STOCK NO.	Description	1	6
578-TZ2V	Needle nose/regular pliers, 2 flathead screwdrivers, phillips screwdriver, metric/english ruler, wood/metal file, 2 knife blades, can/bottle opener, wire cutter, lanyard ring	53.76	50.40





Weller Soldering Tools

EC1002 AND EC2002 SOLDERING STATIONS AND TIPS

Electrostatic dissipative

with 40W or 20W Irons

- Stand may be positioned left or right of unit, or remotely
- Made in USA







Weight: 3 3/4 lbs.



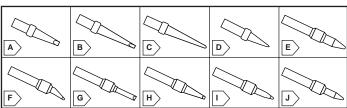
For quantities greater than listed, call for quote.

Small, lightweight handle now with

cushioned arip

578-PH60

MOUSER STOCK NO.	Description	Price Each
578-EC10021	EC1002 station / EC1201A (40W) iron / ETA tip / stand	232.14
578-EC10022	EC1002 station / EC1302A (20W) iron / EPH101 tip / stand	232.14
578-EC20021	EC2002 station / EC1201A (40W) iron / ETA tip / stand	317.79
578-EC20022	EC2002 station / EC1302A (20W) iron / EPH101 tip / stand	309.14



EΤ	Series	Tips	for	EC1201A	(40W)	Iron
----	--------	------	-----	---------	-------	------

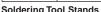
ET Series Tips for EC1201A (40W)			Iron	For quant	ities greater	than listed, o	call for quote
MOUSER	Fig.	ia. Description	Size	Reach	ı	Price Each	1
STOCK NO.	ı ıg.	Description	(ln.)	(In.)	1	10	20
578-ETA	Α	Screwdriver tip	.06	.62	5.10	4.93	4.52
578-ETB	Α	Screwdriver tip	.09	.62	5.10	4.93	4.52
578-ETC	Α	Screwdriver tip	.12	.62	5.10	4.93	4.52
578-ETD	Α	Screwdriver tip	.18	.75	5.10	4.93	4.52
578-ETH	Α	Screwdriver tip	.03	.62	5.10	4.93	4.52
578-ETK	В	Long screwdriver	.04	1.00	5.10	4.93	4.52
578-ETO	С	Long conical tip	.03	1.00	5.10	4.93	4.52
578-ETS	С	Long conical tip	.01	1.00	5.10	4.93	4.52
578-ETP	D	Conical tip	.03	.62	5.10	4.93	4.52

į	EPH Series 1	Γips	for EC1302A (20V	V) Iron	For quant	ities greater	than listed, o	all for quote
	578-EPH101	E	Micropoint tip	.01	.43	5.34	5.16	4.74
	578-EPH102	F	Bent conical tip	.03	.43	5.34	5.16	4.74
	578-EPH106	G	Screwdriver tip	.06	.43	5.34	5.16	4.74
	578-EPH107	Н	Chisel tip	.07	.43	5.34	5.16	4.74
	578-EPH109	- 1	Conical tip	.03	.43	5.34	5.16	4.74
	578-EPH110	J	Conical tip	.06	.43	5.34	5.16	4.74

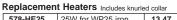
WP25 AND WP35 SOLDERING IRONS AND TIPS

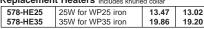
WP25 and WP35 Soldering Irons Quick change knurled collar makes changing heater simple For quantities greater than listed, call for quote. Screwdrive

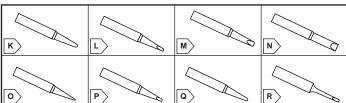
MOUSER	Description	Price Each		
STOCK NO.	Description	1	6	
578-WP25	25W iron with ST-3 tip	31.11	30.07	
578-WP35	35W iron with ST-3 tip	39.15	37.85	



Soluering 10	OI Starius		
578-PH25	For WP25 iron	14.37	13.89
578-PH60	For WP35 iron	18.65	18.02







578-PH25

ST Series Ti	ps F	or WP25P	and WP	35P Irons	For quant	ities greater	than listed,	call for	quote

MOUSER STOCK NO. Fig.	. Description	Size	Reach	Price Each			
	Description	(In.)	(ln.)	1	10	20	
578-ST-1	K	Screwdriver tip	.06	.75	4.79	4.63	4.24
578-ST-2	L	Screwdriver tip	.09	.75	4.79	4.63	4.24
578-ST-3	M	Screwdriver tip	.12	.75	4.79	4.63	4.24
578-ST-4	N	Screwdriver tip	.18	.75	4.79	4.63	4.24
578-ST-5	0	Single flat tip	.03	.75	4.79	4.63	4.24
578-ST-6	Р	Screwdriver tip	.03	.75	4.79	4.63	4.24
578-ST-7	Q	Conical tip	.03	.75	4.79	4.63	4.24
578-ST-8	R	Narrow SD tip	.06	.75	4.79	4.63	4.24

WTCPT SOLDERING STATION AND TIPS

Features:

· Special "closed loop" method of controlling maximum tip temperature

 PT series soldering tips come in a variety of shapes and sizes in three temperature ranges



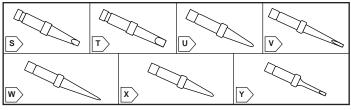


WTCPT Station with 42W Iron

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Description	Price Each
578-WTCPT	WTCPT station / TC201T (42W) iron / PTA7 tip / stand	131.31

Replacement Parts (not illustrated) For quantities greater than listed, call for quot Heater assembly for TC201T Iron used with WTCPT station 578-BA60 Barrel Nut assembly for TC201T Iron used with WTCPT station



PT Series Tips for TC201T (42W) Iron

MOUSER	Fig.	Description	Size	Reach	Temp	Price Each		1
STOCK NO.	rig.	Description	(ln.)	(ln.)	Rating	1	10	20
578-PTA6	S	Screwdriver tip	.06	.62	600°F	5.40	5.22	4.79
578-PTA7	S	Screwdriver tip	.06	.62	700°F	5.40	5.22	4.79
578-PTA8	S	Screwdriver tip	.06	.62	800°F	5.40	5.22	4.79
578-PTD6	Т	Screwdriver tip	.18	.75	600°F	5.40	5.22	4.79
578-PTD7	T	Screwdriver tip	.18	.75	700°F	5.40	5.22	4.79
578-PTD8	T	Screwdriver tip	.18	.75	800°F	5.40	5.22	4.79
578-PTH7	U	Screwdriver tip	.03	.62	700°F	5.40	5.22	4.79
578-PTK7	V	Screwdriver tip	.04	1.00	700°F	5.40	5.22	4.79
578-PTO7	W	Long conical tip	.03	1.00	700°F	5.40	5.22	4.79
578-PTO8	W	Long conical tip	.03	1.00	800°F	5.40	5.22	4.79
578-PTP7	Х	Conical tip	.03	.62	700°F	5.40	5.22	4.79
578-PTP8	Х	Conical tip	.03	.62	800°F	5.40	5.22	4.79
578-PTR7	Υ	Narrow screwdriver	.06	.62	700°F	5.40	5.22	4.79
578-PTR8	Υ	Narrow screwdriver	.06	.62	800°F	5.40	5.22	4.79
578-PTS7	W	Long conical tip	.01	1.00	700°F	5.40	5.22	4.79
578-PTS8	W	Long conical tip	.01	1.00	800°F	5.40	5.22	4.79

MARKSMAN® SOLDERING IRONS AND TIPS

Marksman® Soldering Irons

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Description	
578-SP23	25W iron with .125" pencil tip	11.60
578-SP40	40W iron with .250" chisel tip	15.50



MT Series Tips For Marksman® Irons

Price Per Package of		
6	12	
4 3.32	3.05	
4 3.32	3.05	
6.08	5.57	
4	4 3.32	

REPLACEMENT SPONGE

For all soldering stations and 578-PH60 stand



For quantities greater than listed, call for quote.						
MOUSER	Price Each					
STOCK NO.	1	10				

1.47

578-EC205

ELECTRONIC TOOL KIT

MOUSER	Kit Contains	Price Each		
STOCK NO.	Kit Contains		6	
578-250K	WP25 iron, 2 tips, soldering aid tool, .40 oz. rosin-core solder, 4" long nose pliers, diagonal cutter, wire stripper, 1/4" nutdriver, slotted screwdriver, #1 Phillips head screwdriver	88.95	85.99	



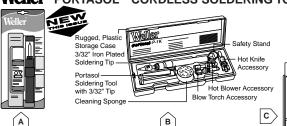
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Soldering Tools

Weller Portasol® cordless soldering tools





Portasol Soldering Iron Kits

MOUSER	Fig.	Kit Includes:		Each
STOCK NO. 1 19.		Kit includes.	1	4
578-C1CFB 578-P1KB		Portasol iron, chisel tip, and butane cylinder 1 each: Portasol iron, 3/32" iron plated solder tip, cleaning sponge, blow torch, hot blower and hot knife accessory. Stored in a rugged plastic case.	20.94 51.63	20.24 49.90

Portasol Butane Refills

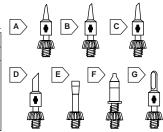
	Tortasor Batane Reinis							
	578-WB2 Refill cartridges for Portasol cordless soldering iron							
ı	Portasol Tip Accessory Kit				5			
	578-TB10	С	T1, T5, T6, and T7 in a durable case	33.83	32.70			

Weller PORTASOL TIPS

- T-1 to T-4 tips temperature range up to 850°F (450°C)
- T-5 blow torch temperature range up to 2372°F (1300°C)
- T-6 hot blower and T-7 hot knife temperature range up to 850°F (450°C)

For quantities greater than listed, call for quote.						
MOUSER	Fig. Description	Description	Price Each			
STOCK NO.		1	5			
578-T1	Α	1/32" tip	8.70	8.41		
578-T2	В	3/32" tip	8.70	8.41		
578-T3	С	1/8" tip	8.70	8.41		
578-T4	D	3/16" tip	8.70	8.41		
578-T5	E	Blow torch tip	8.70	8.41		
578-T6	F	Hot blower tip	8.70	8.41		
578-T7	G	Hot knife tip	8.70	8.41		

Soldering tips and heat tool accessories converts iron into 4 different tools: solder iron, blow torch, hot blower and hot knife

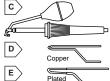


Weller SOLDERING GUNS

• 120V 60Hz AC only
• 2-wire cord







Copper

Model D550 260/200 Watts

• High output • Pistol-grip design • Twin lights illuminate work • Heavy gauge, high-efficiency copper tip

MOUSER Fig.		Description	Price Each	
STOCK NO.	ı ıy.	Description	1 6	6
578-D550	78-D550 A Trigger selection of heats		44.16	42.69

Model 8200 100/140 Watts

• High efficiency soldering tip of pure pre-tinned copper • Pistol-grip design • "Soldering Tips" booklet included B Finger tip selection of high or low output 578-8200

DS40 Desoldering / Repair Tool

- Valuable repair tool for servicing printed circuit boards and solid state electronics
- Allows components to be removed and replaced quickly with less chance of heat damage
 Complete unit includes 50w tool, vacuum bulb, desoldering assembly with DST4 tiplet

578-DS40	С	Desoldering / repair tool	73.56	Call		

Replacement Tips

For quantities greater than listed, call for quote,

MOUSER	Fi.e.	For Model #	Package	-	Price Eac	h
STOCK NO.	Fig. For M	FOI MOdel #	Contains	1	6	12
578-7250	D	D550	2 tips	3.77	3.64	3.34
578-8125	E	8200	2 tips	3.77	3.64	3.34

Replacement Housing Sets

	- · · · · · · · · · · · · · · · · · · ·	
MOUSER STOCK NO.	Description	Price Each
578-8200RH	For 578-8200 soldering gun	9.51

Replacement Tips for Soldering Guns · Tin plated tips, made of copper

MOUSER	Fig.	Description	F	Price Eacl	1
STOCK NO.	rig.	Description	1	6	12
578-7135	578-7135 D Tip only-2 per card for 8200/9200K		3.77	3.64	3.34

ISOATIR TEMPERATURE ADJUSTABLE SOLDERING STATION



A perfect production tool for micro circuits and fine manufacturing with a pencil thin, molded nylon handle for improved accuracy and less operator fatigue

- Compact, temperature adjustable 500° to 700°F
- Grounded tip to protect sensitive components • Pencil thin handle for improved accuracy

MOUSER STOCK NO.	Price Each
557-7475	89.95

ISORTIP: SOLDERING TIPS FOR MICROSOLDERING STATION

With these replacement tips, you can meet most production needs in miniature soldering applications. Simply pull the old (cooled) tip off and slide a new one on. Contact a customer service representative for additional tips

- Nickel plated coppe Solid nickel, gold end
- Easy installation
 Use with 557-7475



For quantities greater than listed, call for quote

MOUSER	Fia.	Fig. Type Siz		Price	Each
STOCK NO.	rig.	туре	(ln.)	1	5
557-7253	Α	Spade	3/32	4.90	4.65
557-7256	В	Cone	1/25	4.90	4.65
557-7258	С	Spade	1/25	4.90	4.65

ISOATIR 7904 "POWER PRO" CORDLESS SOLDERING IRON



High capacity cordless soldering iron using high efficiency tips, provides up to 30 minutes of continuous soldering time from a fully charged iron or intermittently over 200 solder joints

- Complete recharge in 4 hours LED in recharge stand to indicate charging status
- Tip performance up to 900°F
- Easily replaceable battery and worklight

For quantities greater than listed, call for quote

MOUSER	Price Each		
STOCK NO.	1	5	
557-7904	54.95	52.20	

ISOATIR 7700 CORDLESS SOLDERING IRON



Recharges completely in 3 to 4 1/2 hours. A partially discharged battery returns to full capacity in 1 to 2 hours. Nickel cadmium battery withstands high-rate charging with out damage. Fully charged unit can make up to 125 electronic joints per charge. Cordless soldering iron, recharging stand with wall plug transformer, #7545 tip, #7546 tip, and

For quantities greater than listed, call for quote

r or quartition groute	, triarr notou,	oun for quoto	
MOUSER	Price Each		
STOCK NO.	1	5	
557-7700	39.95	37.95	

ISOATIR 7800 ISO TIP "60" CORDLESS SOLDERING IRON



Fastest charging cordless soldering iron on the market. Solders up to 125 electronic joints per charge. Recharges fully in 1 hour. Cordless soldering iron, recharging stand with wall plug transformer, #7577 tip, #7545 tip, and instructions.

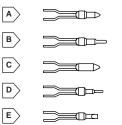
For quantities greater than listed, call for quote

MOUSER	Price Each		
STOCK NO.	1	5	
557-7800	54.95	52.20	

ISOATIP: WAHL HI-EFFICIENCY ISO-TIP SOLDERING TIPS

- All ISO-TIP replacement tips fit all ISO-TIP cordless irons
- Isolated tip, ground free, low voltage design eliminates electrical leaks and damage

- Intermittently 200 plus joints per charge
- Unique snan-in design
- Requires less power to heat tip



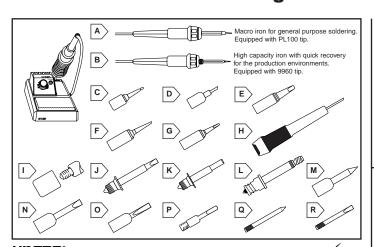
For quantities greater than listed, call for quote.

MOUSER	F:~	Description	Price Each		
STOCK NO.	Fig. Description		1	5	
557-7535-100	Α	Regular tip	4.25	4.04	
557-7545-100	В	Fine tip	4.25	4.04	
557-7546-100	С	Heavyduty tip	4.25	4.04	
557-7566-100	D	Micro tip	4.25	4.04	
557-7577-100	Ε	Chisel tip	4.25	4.04	
557-7579-100	F	Beveled tip	4.25	4.04	





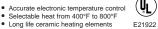
Soldering Tools and Soldering Aids



UNGAR SOLDERING TOOLS

Electronic Soldering System

- Temperature stability at idle: ±10°F Ground tip resistance: $<2 \Omega$
- Tip transients: <2mV RMS 3-wire ground, 120V-AC, 60Hz
- Dimensions: 8.75H x 4.0W x 6.5D
- Selectable heat from 400°F to 800°F



MIL-STD-2000-1A WS-6536D, and MIL-S-45743E

MEETS MIL SPECS

MOUSER	Fig.	Description	Price	Each
STOCK NO.	rig.	Description	1	10
578-UTC-100	Α	Thread on tips with inside threads	109.58	105.92
578-UTC-300	В	Push on tip without inside threads	132.96	128.53
578-PL-100	С	Precision tip for UTC 100	4.08	3.94
578-PL-114	D	Micro spade tip for UTC 100	4.31	4.16
578-9960	E	Terminal spade tip for UTC 300	7.52	7.27
578-9976	F	Spade tip for UTC 300	7.52	7.27
578-9977	G	Screwdriver tip for UTC 300	6.99	6.76
578-UTC-234		Replacement sponge	2.63	2.54

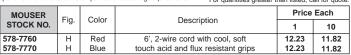
Burn-resistant cord

UL listed

Standard Handles

Provides choice of handles and a selection of interchangeable heating elements and tips for combinations to match particular soldering requirements.

For quantities greater than listed, call for quote



Ada

Adaptor (Fits 1/4" Inread-On Heating Elements)) For quantities greater than listed call for qu		
MOUSER STOCK NO.	Fig.		Description	Price Each	

578-100 Adapts to 1/8" thread-in tiplets and nibs

Heating Elements and Tips for Standard Line Handles

Rated

Chisel tip, long taper MOUSER For quantities greater than listed call for quote

2.52

STOCK NO.	rig.	(W)	(V)	Temp.	Description	1	10
0.0000		(**)	(*/				10
578-4033-S	J	45	120	1000	Tellurium copper, iron clad, silver pltd.	25.32	24.48
Interchangeable 1/8	" threa	ad-in he	ating e	lements fo	or standard line handles		
578-535-S	K	23	120	700	Heaters for 1/8" thread-in tips	18.11	17.50
578-1235-S	K	33	120	800	Heaters for 1/8" thread-in tips	18.11	17.50
578-4035-S	K	45	120	900	Heaters for 1/8" thread-in tips	20.37	19.69
Interchangeable 1/4	" threa	ad-on h	eating e	elements t	for standard line handles		
578-537-S	L	23	120	700	Heaters for 1/4" thread-on tips	16.13	15.59
578-1237-S	L	33	120	800	Heaters for 1/4" thread-on tips	17.60	17.01
578-4037-S	L	45	120	900	Heaters for 1/4" thread-on tips	19.83	19.17

1/4" Thread-On Tips

For use on thread-on heating elements with standard line handles and soldering system UTC-100 (copper alloy, iron clad, silver plated.) For quantities greater than listed call for quote

MOUSER STOCK NO. Fig.		Description	Price Each	
		Description		10
578-PL-111	М	Pencil; 3/4" long, 1/8" dia.	4.31	4.16
578-PL-113	N	Chisel; 3/4" long, 1/8" dia.	4.31	4.16
578-PL-151	0	Screwdriver; 3/4" long, 1/8" dia.	4.37	4.22

1/8" Thread-In Tips

For use with the 1/8" standard line thread-in heating elements and fits 1/4" by using adaptor no. 588-100 (Fig. I)

578-6961	Р	Screwdriver 1/2" (L) x 1/8" (D)	4.44	4.29
578-PL-331	Q	Pencil 1" (L) x 1/8" (D)	3.44	3.32
578-PL-333	R	Chisel tip 1/2" (L) x 1/8" (D)	3.44	3.32

UNGAR® SOLDERING TOOL STAND

MOUSER	Price Each		
STOCK NO.	1	10	
578-8000	14.12	13.65	

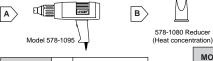
Features:

- Attaches easly to work bench
- Prevents iron breakage
 Protects operator from burns



UNGAR° HEAT GUN AND ACCESSORIES

Provides flameless heat for applying heat shrink tubing, curing epoxy, and many other applications. High and low temperature: 790°F-low, 1200°F-high, 1000W (max.), 120VAC, 60Hz, UL listed.







(For heat shrink)



MOUSER	Fig.	Price Each	
STOCK NO.		1	6
578-1095	Α	48.63	47.01

MOUSER	Fig.	Price	Each
STOCK NO.	rig.	1	10
578-1080	В	5.67	5.48
578-1082	С	5.67	5.48

UNGER SOLDERING AIDS

A specially processed sponge for cleaning tips of oxidation and prevents contamination.

Kleen-Tip

MOUSER	Price Each			
STOCK NO.	1	10		
578-400	7.17	6.93		
Replacement Sponge				

578-455 2.78 2.68

UNGAR° SOLDERING IRON **HOLDER AND TIP CLEANER**

Non-sliding cast iron base with sponge

)	MOUSER	Price	Each
	STOCK NO.	1	10
	382-ST-11	17.09	Call

STEINEL HEAT GUNS AND ACCESSORIES



Fach

Features for HL1802E:

- Electronically controlled hot air gun
- Variable temperature from 120°F to 1100°F
 Air flow: position 1 = 17.6 cfm @ 120°, position 2 = 7.6 cfm @ var. temp. 120-1100°,
- position 3 = 17.6 cfm @ var. temp. 120-1100°

 Output: 1500 watts

 Voltage: 120 VAC Features for HL1502S:

- Non-electric, three speed hot air gun Output: 1400 watts
- Step 1 = 120°F, step 2 = 800°F, step 3 = 1050°F
- Air flow: 17.6 cfm, 11.3 cfm, 17.6 cfm Voltage: 120 VAC
- For more information, see page 75

617-1802	HL1802E heat gun	149.95
617-1502	HL1502S heat gun	86.95
617-07062	Reduction nozzle 3/8"	9.95
617-07071	Reduction nozzle 5/8"	9.95
617-07081	Reduction nozzle 3/4"	9.95
617-07061	Reflector nozzle 3/8"	11.95
617-01450	Heat gun stand	22.50

Description

MOUSER

STOCK NO.

PENCIL TYPE SOLDERING IRON

For continuous use by industry and hobbyist. Balanced handle with heat shield.

- 120VAC
- 5/32" dia. tip 5 1/2 foot cord
- Replaceable tip · Light weight

MOUSER STOCK NO.	Description	Price Each
381-FS030	30W solder iron	4.79
38FS031	Replacement tip	.77

DESOLDERING TOOLS

Anti-Static Desoldering Pump

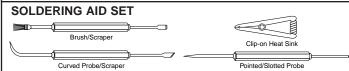
- Rugged all-aluminum body Anti-static tip
- · Disassembles easily for cleaning
- Dimensions: 7 5/8" (L) x 3/4" (Dia.)
 Replacement tip 384-1001





Illustrated with optional tip installed

• Replacement	Replacement up 304-1001									
MOUSER	Fig.	Description	Price Each							
STOCK NO.	rig.	Description	1	5						
384-1000	Α	Anti-static desoldering pump	5.99	5.39						
384-1001	Α	Replacement anti-static tip	1.72	1.55						
384-1002	В	Desoldering bulb without tip	2.50	2.25						
384-1003	l B	Replacement teflon tip for bulb	1.36	1.22						



MOUSER	Description	Price Each		
STOCK NO.	Description	1	5	
384-1017 384-1018	Aluminum, spring-loaded clip-on heat sink, 2 1/2" long 4-pc. soldering aid set includes: clip-on heat sink, brush/scraper, pointed/slotted probe, and curved probe/scraper	.76 3.99	.57 Call	

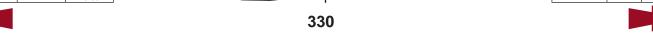
Xcelite° seizer clamps

Seizers are 6", have 3-position snap lock, serrated jaws, and box-joint construction. Precision machined from perfectly tempered stainless steel

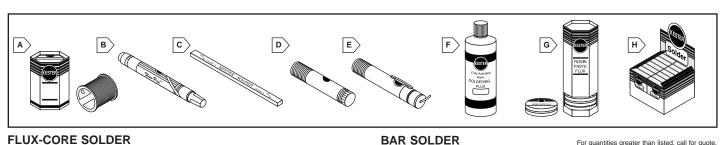




MOUSER	Price Each				
STOCK NO.	1	6			
578-42HV	11.49	11.11			
578-43HV	11.49	11.11			



Solder Products



FLUX-CORE SOLDER

The Kester "44" rosin flux-core is non-corrosive

MOUSER	Fig.	Alloy (Sn/Pb)	Weight Dia.		Price Each			
STOCK NO.	rig.	Tin/Lead	(lb.)	(In.)	1	10	25	50
533-24-6337-0010	Α	63/37	1	.020	17.98	16.18	14.56	
533-24-6337-27	Α	63/37	1	.031	12.96	11.60	10.42	
533-24-6337-39	Α	63/37	1	.040	18.00	16.20	14.58	
533-24-6337-61	A	63/37	1	.062	11.62	10.20	9.41	
533-24-6040-18	Α	60/40	1	.025	14.14	12.72	11.45	Call
533-24-6040-27	A	60/40	1	.031	12.58	11.32	10.19	For
533-24-6040-39	A	60/40	1	.040	12.40	11.16	10.04	Quote
533-24-6040-53	Α	60/40	1	.050	11.86	10.68	9.61	
533-24-6040-61	A	60/40	1	.062	11.34	10.20	9.18	
533-24-6040-66	Α	60/40	1	.093	10.62	9.56	8.60	
533-25-6040-0027	Α	60/40	4	.031	49.68	39.33	35.19	
533-26-6040-0061	Α	60/40	5	.062	53.57	42.41	37.52	

"331" WATER SOLUBLE CORE SOLDER

More effective and heat stable than rosin fluxes in soldering difficult metals. Residue can be completely removed with simple water rinse.

533-24-6337-6401	Α	63/37	1	.020	17.98	16.18	14.56	Call	Ĺ
533-24-6337-6403	Α	63/37	1	.031	12.86	11.58	10.42	Call	Ĺ

"245" NO CLEAN FLUX CORE SOLDER

Leaves a low amount of residue which is both visually negligible and electrically safe. Does not require cleaning, environmentally safe, and CFC solvents are not needed.

	- :								
533	-24-6337-8807	Α	63/37	1	.020	17.98	16.18	14.56	Call
533	-24-6337-8800	Δ	63/37	1 1				10 42	

"285" MILDLY ACTIVATED ROSIN CORE SOLDER

Conforms to type RMA of FED SPEC QQ-SS-571 and is on the qualified products list. "285" has high mobility and fast spreading action comparable to RA fluxes

533-24-6337-9700	Α	63/37	1	.020	17.98	16.18	14.56	Call
533-24-6337-9713	Α	63/37	1	.031	12.86	11.58	10.42	Call

SOLID WIRE S	OLE	DER For	r use with e	external flux.					
533-14-6040-0135		60/40	1	125	10.62	0.56	8 60	Call	i

FLUX-PEN™

For rework and touch-up soldering. The chisel point allows work in very confined spaces. Spring valve prevents the flux inside of the pen from "drying out". Ideally suited for TAB assembly, "No-Clean" and surface mount rework applications because it can deliver flux only to specific areas.

For quantities greater than listed, call for quote.

MOUSER	Fig.	Description	Net	Price	Each
STOCK NO.	ı ıg.	Description	Volume	1	5
533-0186	В	Formula #186 RMA flux	.33 fl. oz.	4.14	3.13
533-0951	В	Formula #951 no clean	.33 fl. oz.	4.14	3.13
533-0450	В	Formula #450 organic acid water soluble	.33 fl. oz.	4.14	3.13

BAR SOLDER

For quantities greater than listed, call for quote

*Ground shipping only

	MOUSER	Fig.	Alloy	Weight		Price Each	
	STOCK NO.	rig.	(Sn/Pb)	(lb.)	1	10	25
Γ	533-04-6040-0000	С	60/40	1	7.66	6.90	6.21
	533-04-6337-0000	С	63/37	1	7.92	7.12	6.41

KWIK-DRAW

Packaged conveniently for home or shop, "44" rosin flux-core For quantities greater than listed, call for quote

MOUSER STOCK NO.	Fig.	Alloy (Sn/Pb)	Diameter (In.)	Price Each
533-83-3000-0000	D	60/40	.050	1.88

POCKET-PAK

For service and repair in ho	ome or s	hop, "44" rosin flux	-core For qua	antities greater than listed, call for quote.	
533-83-4000-0000	F	60/40	031	1 20	

TYPE 1544 RA LIQUID ROSIN FLUX* Plus a UPS hazardous material charge

For quantities greater than listed, call for quote. Fully activated non-corrosive

MOUSER	Fig.	Description	Price Each				
STOCK NO.	rig.	Description	1	10	25		
533-62-0000-1544	F	Liquid - 1 quart	15.40	11.78	11.09		

Formula SP-44 activated rosin paste flux (non-corrosive) **533-83-0000-0144** G Paste - 2 oz. tin 1.20 1.02

VOC (VOLATILE ORGANIC COMPOUND) FREE FLUX

VOC Free Water Soluble Flux
A water based halide (chloride) free liquid flux. Contains no alcohols which are photochemically reactive and been linked to global warming. The residue left after soldering must be cleaned with water.

MOUSER	Fig.	Description	Price Each			
STOCK NO.	i ig.	Description	1	6	12	
533-6286-1189	F	Liquid - 1 quart	32.80	25.09	Call	

VOC Free No-Clean Flux

Water based, halide free liquid flux. Can be applied by dip, spray, wave or foam. Although thinning is not normally required, ordinary deionized water can be used. Patent Pending

	533-6200-0970	F	Liquid - 1 quart	24.80	18.97	Call
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TOOL KIT SIZE (1-OUNCE) PACKS

MOUSER	Fig.	Description	Alloy	Dia.	Price Each			
STOCK NO.	ı ıg.	Description	(Sn/Pb)	(ln.)	1	10	25	50
533-5055	Н	Computer/electronic	60/40	.050	1.62	1.30	1.17	Call
533-0415	Н	Electronic silver solder	62/36/2 AG	.022	1.88	1.45	1.36	Call



Ungar° soldering aid

Anti-Seize

Special lubricant for tip threads at high temperatures
 Reduces tip thread seizure

MOUSER			Price	Each
STOCK NO.	Fig.	Description	1	10
578-8001	Α	1/2 oz. tube	4.47	4.32

SM SODER-WICK BRAND

"80 Series" Desoldering Fine-Braid with Static **Dissipative Bobbin**

Flux coated, meets MIL-F-14256 E type "R" requirements.

MOUSER	F:	Color	Width	Application	Price	Each
STOCK NO.	Fig.	Code	(In.)	Application	1	25
5878-80-1-5	В	White	.030	Micro circuits	2.40	2.16
5878-80-2-5	В	Yellow	.060	Small pads	2.40	2.16
5878-80-3-5	В	Green	.080	Medium pads	2.40	2.16
5878-80-4-5	В	Blue	.110	Large pads	2.70	2.43

SODER-WICK NO CLEAN

"60 Series" Desoldering Braid with Static Dissipative Bobbin

Features:

 Leaves no visible residue • Eliminates cleaning

20% faster wicking than rosin coated braids

	MOUSER	Fig.	Color	Width	Application	Price	Each
	STOCK NO.	rig.	Code	(ln.)		1	25
ĺ	5878-60-1-5	В	White	.030	Micro circuits	2.60	2.34
	5878-60-2-5	В	Yellow	.060	Small pads	2.60	2.34
	5878-60-3-5	В	Green	.080	Medium pads	2.60	2.34
	5878-60-4-5	В	Blue	.110	Large pads	3.00	2.70

PRO WICK FINE BRAID

 Pure copper fine braid design with pure white rosin flux · Packaged in 5 ft. spools

 Meets MIL-F-142560D type R. NASA NHB 5300.4, NPC 200-4 and SP-5002

MOUSER	L	Color Code	Width	Price Each			
STOCK NO.	Fig.		(In.)	1	10	25	
577-1801-5F	С	White	.030	1.56	1.48	1.33	
577-1802-5F	С	Yellow	.060	1.56	1.48	1.33	
577-1803-5F	С	Green	.085	1.60	1.51	1.36	
577-1804-5F	С	Blue	.100	1.70	1.61	1.45	
577-1805-5F	С	Brown	.145	2.08	1.96	1.76	
577-1806-5F	С	Red	.210	2.22	2.10	1.89	



NO CLEAN FINE BRAID

Features:

- 100% copper coated with a pure water white rosin flux
- 5 ft. spools Meets MIL Spec MIL-F-142560D Type R, NASA, NHB5300.4, NPC200-4, SP5002

MOUSER		Color	Color Width		Price Each			
STOCK NO.	Fig.	Code	(In.)	1	10	25		
577-1814-5F	С	White	.030	1.92	1.82	1.73		
577-1815-5F	С	Yellow	.060	1.92	1.82	1.73		
577-1816-5F	С	Green	.085	1.96	1.86	1.77		
577-1817-5F	С	Blue	.100	2.10	2.00	1.90		
577-1818-5F	С	Brown	.145	2.56	2.43	2.20		
577-1819-5F	C	Red	.210	2.74	2.60	2.36		



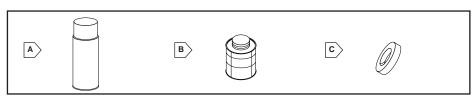
PRO WICK FINE BRAID With Static Dissipative Bobbin

MOUSER	F:	Color	Width	Price Each			
STOCK NO.	Fig.	Code	(In.)	1	10	25	
577-1808-5F	С	White	.030	1.62	1.53	1.38	
577-1809-5F	С	Yellow	.060	1.62	1.53	1.38	
577-1810-5F	С	Green	.085	1.76	1.67	1.50	
577-1811-5F	С	Blue	.100	1.94	1.84	1.66	
577-1812-5F	С	Brown	.145	2.08	1.96	1.76	
577-1813-5F	С	Red	.210	2.34	2.24	2.01	





3M Adhesive and Tape Products



SUPER 77 SPRAY ADHESIVE

A high tack, fast drying, transparent adhesive to permanently attach foils, carpeting, foams, paper, cloth, etc., to painted or unpainted metals, wood hardboard, and other base materials. No meth. chloride, 1.1.1-trich., or chlorofluorocarbons.

Plus a UPS hazardous material charge per carton.

For quantities greater than listed, call for quote.

MOUSER	F: ~	C:	Price Each	
STOCK NO.	rig.	Fig. Size	1	12
517-SUPER77	Α	24 oz.	9.68	8.71

SCOTCHKOTE WATER/OIL RESISTIVE

Paint on type sealer, provides tough oil and water resistant outer seal on electrical connections. Use for splices on underwater cables or in high moisture applications.

Plus a UPS hazardous material charge per carton

	For qu	antities greater than	listed, cal	for quote.
517-Scotchkote	В	15 oz.	15.43	13.89

SHIELDING AND GROUNDING TAPE

Scotch Copper Foil Shielding Tape



Shields against EMI/RFI radiation. Meets UL 510 requirements for flame For quantities greater than listed, call for quote.

MOUSER	Eia	Fig. Size	Price Each	
STOCK NO.	Fig.	Size	1	10
517-1181-1.0	С	1" x 18 yds	42.70	37.15

Scotch Electrical Semiconducting Tape

30-mil thick tape that is compatible with cable semiconducting jackets. Provides shield continuation for splices and termination on shielded cable. Meets requirements of ASTM D-4388. Type IV.

	For qu	antities greater than	listed, cal	I for quote.
517-13	С	3/4" x 15'	7.19	6.35

VINYL ELECTRICAL TAPE



10-mil thick tape offers abrasion resistance and mechanical protection for bus bar insulation. UL 510, ASTM D-2301 Type II and CSA 22.2.

For quantities greater than listed, call for quote 517-22 С 3/4"x36 yds 7.38 6.51

Scotch Super 88 Tape

Scotch Heavy Duty Tape

Premium-grade heavy-duty 8.5 mil, flame retardant, cold and weather-resistant tape with superior coldweather handling features. Meets UL 510, MIL-1-24391, and CSA 22.2.

	For qu	For quantities greater than listed, call for quote.			
517-88	С	3/4" x 66'	3.50	3.09	

VINYL ELECTRICAL TAPE

Scotch Super 33 Tape





Premium 7-mil, flame retardant, weather resist tape. Resists temperature and moisture for splicing. Meets requirements of UL 510, HHI-595, CSA

MOUSER	F:~	C:	Price	Each	
STOCK NO.	Fig.	Size	1	10	
517-33	С	3/4" x 66'	3.77	3.33	

Scotch 35 Tape for Color Coding





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Premium-grade 7-mil flame retardant, weather resistant tape. Other widths and lengths available upon request. Meets requirements of UL 510 and CSA. Note: Do not use on neoprene

For quantities greater than listed, call for quote.				
Fi.e.	Description	Price	Each	
Fig.		1	10	
С	3/4"x66' blue	3.21	2.89	
С	3/4"x66' green	3.21	2.89	
С	3/4"x66' white	3.21	2.89	
С	3/4"x66' yel.	3.21	2.89	
С	3/4"x66' red	3.21	2.89	
	Fig.	Fig. Description C 3/4"x66' blue C 3/4"x66' green C 3/4"x66' white C 3/4"x66' yel.	Fig. Description 1 C 3/4"x66' blue 3.21 C 3/4"x66' green 3.21 C 3/4"x66' white 3.21 C 3/4"x66' yel. 3.21	

Highland Vinyl Plastic Tape

Flame retardant 7-mil tape used for holding, protecting and insulating. UL Listed for 80° C/176°F

	For qu	antities greater than	n listed, cal	I for quote.
MOUSER	Fi-	C:	Price	Each
STOCK NO.	Fig.	Size	1	10
517-Highland	С	3/4" x 66'	1.51	1.34

Temflex Tape

Economy-grade, 7-mil tape. UL Listed and CSA Certified for

For quantities greater than listed, call for quote

MOUSER	F:~	Size	Price	Each
STOCK NO.	Fig.	Size	1	10
517-1700	С	3/4" x 60'	.75	.62
517-1700P	С	1-1/2" x 44'	1.62	1.43

INSULATING AND SPLICING TAPE

Scotch Self-Fusing Silicone Rubber Electrical Tape

12-mil tape. High temperature, track-resistant tape composed of fully cured inorganic silicone rubber. Can be used as primary cable insulation or as a protective overwrap for termination high-voltage wires.

	roi qu	roi quantities greater triair listeu, cair ioi quote.			
MOUSER			Price	Each	
STOCK NO.	Fig.	Size	1	10	
517-70	С	1" x 30'	23.92	21.53	

URETHANE FOAM TAPE

Designed for general purpose mounting and joining; they offer one-piece removal. Their high degree of conformability makes them well suited for joining rough, mismatched surfaces and the opened-cell foam makes excellent water and air seals.

MOUSER	Decemention	Price P	er Reel
STOCK NO.	Description	1	5
517-4008	1/8" thick 1" x 36 yds.	44.05	39.64
517-4016	1/16" thick 1" x 36 yds.	31.45	28.31

WIRE MARKING AND LABELING

ScotchCode Wire Marker **Tape Dispensers**

Dispenser with ten refillable compartments for the easy-to-cut colored. lettered, or numbered tape



For quantities greater than listed, call for quote.

MOUSER	Description	Price Each		
STOCK NO.	Description	1	5	
517-STD09 517-STDC	Dispenser, 1 roll each # 0-9 Dispenser, 1 roll each color: black, blue, brown, green, gray, orange, red, violet, white, and yellow	24.64 24.64	22.20 22.20	

Numbered Tape Refills

Fill in the blank ($\underline{}$) of the part number with the numbered refill you are ordering (0, 1, 2, 3, 4, 5, 6, 7, 8, 9)

For quantities greater than listed, call for quote

MOUSER	Description	Price	Each
STOCK NO.	Description	1	10
517-SER	Refill for numbered only	1.56	1.38

ScotchCode Write-On Wire Marker Tape Dispensers and Refills

Dispensers provide a smooth, stable writing surface. Use for cable, motor panels, control panels or sub-assemblies --- any wire or cable. SLW comes with SMP marker pen and 70 markers. SLW is disposable with no refill. The SWD comes with the pen and 250 markers.

For quantities greater than listed, call for quote

MOUSER	Description	Price	Each
STOCK NO.	Description	1	10
517-SLW	Dispenser for large write-on wire markers, size 1" x 5"	22.93	20.64
517-SWD	Dispenser for write-on markers, size 3/4" x 1-3/8"	19.55	17.60
517-SWD-R	Write-on marker refills, size 3/4" x 1-3/8"	15.11	13.60

ScotchCode Marking Pens

Pens feature an extra-fine point with quick-drying water-resistant ink. For use with write-on markers and on other non-porous surfaces

For quantities greater than listed, call for quote,

MOUSER	Calar	Price	Each
STOCK NO.	NO. Color	1	10
517-SMP	Permanent black ink	3.84	3.46
517-SMP-R	Permanent red ink	3.84	3.46

3M HOOK AND LOOP FASTENERS

Scotchmate Self-Adhering Hook and Loop Fasteners

One inch wide, self-adhering, hook and loop fastening systems. Nylon hooks mesh with pliable loops for fast secure closure. Adhesive backing adheres instantly to many surfaces

. Mini-pack, consists of two strips of flexible nylon material, one with hooks, the other with loops.

By the Foot

By the Foot

by the Foot				
MOUSER	Decemination	Price Per Foot		
STOCK NO.	Description	1	10	
517-3526-FT	1" black	2.39	2.17	

By the Reel (4.9 Yards)

MOUSER	Decemination	Price Per Reel		
STOCK NO.	Description	1	5	
517-3526/REEL	1" black	30.43	27.38	

Black Dual Lock Self-Adhering Reclosable Fasteners

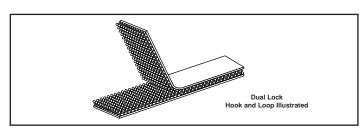
Black one inch wide, self-adhering, reclosable fastening systems is five times stronger than conventional hook and loop fasteners. Adhesive backing adheres instantly to many surfaces. Has an audible "snap" to assure secure closure.

. Mini-pack, consists of two strips of flexible nylon material, one with hooks, the other with loops.

•			
MOUSER	December	Price Per Foot	
STOCK NO.	Description	1	10
517-3541-FT	Dual lock	3.43	3.08

By the Reel (1" x 4.9 Yards)

MOUSER	Decemention	Price Per Reel	
STOCK NO.	Description	1	5
517-3541/REEL	Dual lock	43.44	39.51



Clear Dual Lock Self-Adhering Reclosable Fasteners

Clear one inch wide, self-adhering, reclosable fastening system - Stem type 250. Five times stronger than conventional hook and loop fasteners. Audible snap assures secure closure. Adhesive backing instantly bonds to many surfaces

. Mini-pack, consists of two strips of flexible nylon material, one with hooks, the other with loops.

By the Foot

By the Reel (1" x 4.9 Yards)

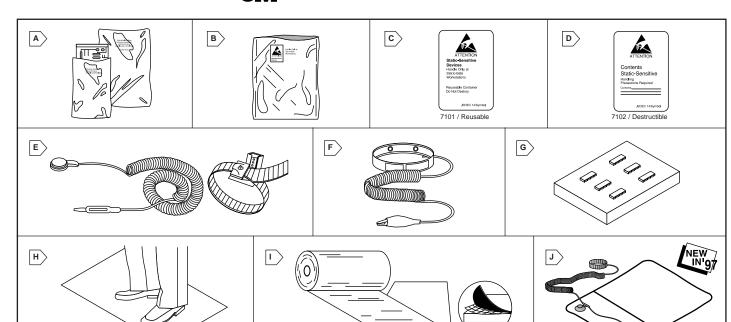
MOUSER	Description	Price Per Foot		
STOCK NO.	Description	1	10	
517-3560-FT	Dual lock	5.52	4.97	

MOUSER	Deceriation	Price Per Reel		
STOCK NO.	Description	1	5	
517-3560/REEL	Dual lock	69.44	63.19	





Static Control Products



STATIC-SHIELDING BAGS

2100E Series

Embosses transparent high performance reusable static-shielding bags

MOUSER	Fig. Description		Description Polyester Layer		er Pkg.
STOCK NO.	l ig.	Description	Thickness	1	5
517-2100E-35	Α	3" x 5" pkg./100	0.92 mil.	19.44	18.23
517-2100E-46	Α	4" x 6" pkg./100	0.92 mil.	25.28	23.70
517-2100E-68	Α	6" x 8" pkg./100	0.92 mil.	43.20	40.50
517-2100E-1012	Α	10" x 12" pkg./100	0.92 mil.	71.70	67.22
517-2100E-1014	Α	10" x 14" pkg./100	0.92 mil.	88.80	83.25
517-2100E-1115	Α	11" x 15" pkg./100	0.92 mil.	105.36	98.78
517-2100E-1218	Α	12" x 18" pkg./100	0.92 mil.	127.76	119.78

1900 Series

A more economical static-shielding bag for less demanding applications.

MOUSER	Fig.	Description	Polyester Layer	Price F	Per Pkg.
STOCK NO.		Description	Thickness	1	5
517-1900-35	В	3" x 5" pkg./100	0.48 mil.	8.32	7.80
517-1900-46	В	4" x 6" pkg./100	0.48 mil.	9.60	9.00
517-1900-68	В	6" x 8" pkg./100	0.48 mil.	14.56	13.65
517-1900-1012	В	10" x 12" pkg./100	0.48 mil.	28.00	26.25
517-1900-1014	В	10" x 14" pkg./100	0.48 mil.	30.72	28.80
517-1900-1115	В	11" x 15" pkg./100	0.48 mil.	35.20	33.00
517-1900-1218	В	12" x 18" pkg./100	0.48 mil.	45.12	42.30

ANTI-STATIC LABELS

Designed to alert personnel handling bags, boxes or other carriers that the contents are static-sensitive. Available in single use or reusable forms using the accepted industry static symbols: JEDEC-14

Size: 1 7/8" x 2 1/2"

MOUSER		Description	Labels	Price Per Roll	
STOCK NO.	Fig.	Description	Per Roll	1	5
517-7101		Reusable orange with black type (JEDEC-14 symbol)	500	15.62	14.57
517-7102		Destructible yellow with black type (JEDEC-14 symbol)	500	15.62	14.57

ADJUSTABLE WRIST STRAP WITH GROUNDING CORD

The wrist strap consists of a wrist band and a grounding cord. The molded cap on the grounding cord that snaps onto the wrist band contains a 1 megaohm resistor.



	MOUSER	Fig.	Description	Price	e Each	
STOCK NO.	l ig.	Description	1	5		
	517-2214		Adjustable band, 5' coiled cord	26.99	25.19	
	517-2204	E	Adjustable band only	11.12	10.37	

MOUSER® WRIST STRAP

 One size fits all • 1MΩ to around

MOUSER	Fig.	Description	ı	Price Eac	ch
STOCK NO.	ı ıg.	Beschpiteri		25	100
382-1500	F Strap with 6ft. coiled cord and alligator clip		17.83	16.21	Call

VELOSTAT™ ELECTRICALLY CONDUCTIVE FOAM

Velostat 2803 has a density of approximately 3 lb./cubic feet and is primarily a cushioning foam, but can be used for pin insertion application with sturdier device leaks.

MOUSER STOCK NO.	Fig.	Size (In.)	Price Per Roll
517-2803-1/8	G	1/8 x 24 x 36	19.88
517-2803-1/4	G	1/4 x 24 x 36	34.65
517-2803-3/8	G	3/8 x 24 x 36	48.98
517-2803-1/2	G	1/2 x 24 x 36	69.45

VELOSTAT™ FLOOR MATS

A conductive floor mat removes static charge from personnel as they approach work areas. They provide significant passive protection in well-traveled assembly areas. Includes two female snaps (installed) and one 15' ground cord with a one megohm resistor.

MOUSER STOCK NO. Fig. S		Size (Ft.)	Thickness (In.)	Price Each
517-1864-46	H	4 x 6	1/8	214.58
517-1864-48	H	4 x 8	1/8	279.75

DISSIPATIVE THREE-LAYER TABLE MATS

3M 8210 series mats have a unique three-layer construction:

The top layer is durable static-dissipative vinyl which has low resistivity to discharge static-laden conductors, yet will prevent the shorting of pins on the backs of printed circuit boards laid on the mat.

The middle layer is a conductive scrim that provides discharge path to ground.

The bottom layer is static-dissipative foam, a durable, nonskid cushion.

Includes 2 female snaps (installed) and one 15' ground cord and ring connector

MOUSER STOCK NO.	Fig Color		Size (Ft.)	Price Each
517-8211			2 x 4	93.87
517-8214			2 x 4	93.87

STATIC-DISSIPATIVE FIELD SERVICE KIT

Designed for field service to manage static and provide safer, more productive work sites.

8501 Portable Field Service Kit Features:

- Charge-Guard[®] adjustable wrist band with 10 ft.
- coiled ground cord

 Static-dissipative work surface (.021" x 22" x 24") with two 8" x 11" pockets and 5 ft. coiled ground

8506 Economy Field Service Kit

- Charge-Guard[®] adjustable wrist band with 5 ft. coiled ground cord
 Static-dissipative work surface (.010" x 15" x 20")
- with two 6" x 7" pockets and 6 ft. straight ground

MOUSER	Fig.	Description	Price I	Each
STOCK NO.	ı ıg.	Description	(1-4)	(5-UP)
517-8501	J	Portable field service kit	62.70	58.52
517-8506	J Economy field service kit		39.90	37.29







Cleaners, Defluxers, and Accessories



















ECO-LINE™ CLEANERS AND DEFLUXERS

Unique blend of hydrocarbons offers new, viable alternatives to CFC cleaning without depleting the ozone. Excellent cleaning ability, rapid evaporation, safe on plastic, and is low cost.

Contact Cleaner

Contains a hexane mixture. Ideal for switches, relays contact pads, and other places of electrical connections

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1622-10S	Α	10 oz. aerosol	6.77

Flux Remover

Dissolves type R. RMA, RA, SA, and most no-clean fluxes

- Ozone depleting factor: 0 Rapid evaporation
- Safe on most plastics For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1621-10S	Α	10 oz. aerosol	7.19

Cleaner Degreaser

A blend of isopropanol and ethanol. Designed for cleaning electronic and electrical equipment, machinery and metal parts.

- Ozone depleting factor: 0 Rapid evaporation
- · Safe on most plastics For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1620-10S	Α	10 oz. aerosol	7.04

Tape Head Cleaner

Formulated to remove harmful contaminant's from magnetic and optic read/write heads.

- Ozone depleting factor: 0 Safe on most plastics
- Rapid evaporation
 - For quantities greater than listed, call for quote

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1624-10S	Α	10 oz. aerosol	6.72

ENVI-RO-TECH™ CLEANERS AND DEFLUXERS

Great for vapor-decreasing, ultrasonic cleaning, and bench-top applications. **Non-flammable**, with excellent cleaning ability, rapid evaporation, and moderate cost. EPA regulations restrict the sale of these cleaners containing HCFC's to commercial users who can provide proof of their commercial status. No CFC's, no 1.1.1 - Trichlorethane.

Heavy-Duty Cleaner

Penetrates and dissolves non-polar soils

- Non-flammable Ozone depleting factor: .11
- Rapid evaporation For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1675-12S	A	12 oz. aerosol	9.10
577-1675-22S	A	22 oz. aerosol	13.12

Universal Cleaner

Fast acting and highly effective cleaner containing a blend of HCFC's.

- Non-flammable
- . Ozone depleting factor: .10
- Rapid evaporation For quantities greater than listed, call for quote 577-1677-12S 12 oz aerosol Α 577-1677-22S 22 oz. aerosol 12.90

General-Duty Defluxer

For RA, RMA, and SA type fluxes. Can be used as an all purpose cleaner to remove light oils, silicone, and similar contaminants.

- Non-flammable · Rapid evaporation
- Ozone depleting factor: .11

For quantities greater than listed, call for quote

577-1676-12S	Α	12 oz. aerosol	8.42
577-1676-G	В	1 gal. glass	64.67

Light-Duty Defluxer

Drying agent for water. Removes type R and water soluble fluxes

- Non-flammable • Ozone depleting factor: .08
- · Rapid evaporation For quantities greater than listed, call for quote
- 577-1678-12S 12 oz. aeroso 22 oz. aerosol 577-1678-22S

Dusting Gas

Removes dust and other particles without harmful solvents. Zero ozone depletion. For quantities greater than listed, call for quote

			,
577-1671-10S	С	10 oz. aerosol	6.72
577-1671-10RS	D	10 oz. aerosol refill	6.72
577-1671-10SK	E	10 oz. aerosol refill	13.93
		& spray attachment	

AK225 CLEANERS AND DEFLUXERS

AK225 is a drop-in replacement for CFC-113. It has a cleaning ability that matches or surpasses CFC-113. It is **safe on plastics**, elastomers, and metals. AK225 is **non-flammable**, and has an evaporation rate nearly identical to CFC-113. AK225, with a 0.03 ozone depletion potential, is more than 25 times less harmful to the ozone layer than CFC-113.

Asahiklin 225, Cleaner / Degreaser

100% HCFC-225



- Rapid evaporation
 - For quantities greater than listed, call for quote

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1663-8S	A	8 oz. aerosol	16.92
577-1663-18S	A	18 oz. aerosol	32.22

Kleen ATMS, Degreaser / Defluxer

An ideal 1,1,1-trichlorethylene (methylchloroform) substitute

- Non-flammable Ozone depleting factor: .02
- Rapid evaporation For quantities greater than listed, call for quote

577-1664-8S	A	8 oz. aerosol	14.88
577-1664-18S	Α	18 oz. aerosol	26.95

Flux Remover AMS

Mixture of AK225 and methanol. Superior flux removal for type R, RMA, RA, and synthetic fluxes.

- Non-flammable · Ozone depleting factor: .03 Rapid evaporation

 - For quantities greater than listed, call for quote.

577-1665-8S	A	8 oz. aerosol	16.07
577-1665-18S	Α	18 oz. aerosol	30.23

Blue Shower II, Degreaser / Defluxer

The standard for precision cleaning of polar and non-polar soils

- Non-flammable
 - Ozone depleting factor: .03Safe on most plastics
- Rapid evaporation
 - For quantities greater than listed, call for quote.

577-1667-18S	Α	18 oz. aerosol	28.65
5/7-1667-85	A	8 oz. aerosol	15.27

Contact Cleaner II

The solvent of choice for precision cleaning and degreasing of electrical Non-flammable

- Rapid evaporation
- Ozone depleting factor: .03
- For quantities greater than listed, call for quote

577-1668-	88	Α	8 oz. aerosol	16.46
577-1668-	18S	Α	18 oz. aerosol	30.52
-				-

CLEANERS, DEFLUXERS, AND ACCESSORIES

























Isopropyl Alcohol

Excellent for tape head cleaning, removal of fluxes, light oils, and white mineral residue. 99% pure, anhydrous isopropanol for all purpose cleaning.

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1610-DSP	Α	48 pkg, wipes	12.84

Rubber Rejuvenator / Platen Cleaner

· Non ozone depleting

 Natural solvent For quantities greater than listed, call for quote.

577-1612-DSP 48 pkg. wipes

SMT Stencil Cleaner

Hydrocarbon-based, non-ozone depleting. Cleans most wet or dried thick film and solder paste compositions. SMT Wipes are manufactured with polyurethane materials, using a fiber-free configuration that will not leave wipe particles behind on stencils and other screening parts. Wipes are 9" x 9" and 1/16" thick. For quantities greater than listed, call for quote

		1	,
577-1693PT 577-1693DSP	B A	1 pt. trigger 48 pkg. wipes	11.60 14.96

Cleaner-Lubricant (Kleen-It)

No CFC's, Contains HCFC's. Quickly penetrates and flushes away grease, dirt, oil, dust, and oxidized surface metals leaving a thin protective coating of silicone to lubricate and protect.

For quantities greater than listed, call for quote

Fig. Size STOCK NO. Fach 577-2410-12S С 12 oz. aerosol 10.12

AXAREL® 2200 Defluxer/Degreaser

Removes many types of oils ranging from lubrication fluids, and cutting

* Must be used with 577-1991 brush attachment.

		i oi qu	antities greater than listed	i, call for quote
*	577-1694-10S	D	10 oz. aerosol	10.12
	577-1694-PT	В	1 pt. trigger	11.60

TECHCLEAN™ Wiper

- Sold in packages of 100 pieces
- Hydroentangled cellulose / polyester wipe

For quantities greater than listed, call for quote 577-2350 Е 9" x 9"

TECHCLEAN™ Twillwipe

• Sold in packages of 100 pieces • Hydroentangled cellulose/polyester wipe

For quantities greater than listed, call for quote

		-	
MOUSER STOCK NO.	Fig.	Size	Price Each
577-2357	Е	6" x 6"	14.62

TECHCLEAN™ Card

A one time use, pre-saturated card, Removes dirt, magnetic oxides, and other contaminant's from credit card readers, ATM/POS terminals, and other magnetic or photo card reading apparatus.

For quantities greater than listed, call for quote

		7	,
577-1603	F	1 card	1.50

Multi-Directional Brush Attachment

Used with Axarel® 2200 aerosol. Reduces amount of solvent being used Applications include board cleaning after rework and precision meta degreasing. For quantities greater than listed, call for quote

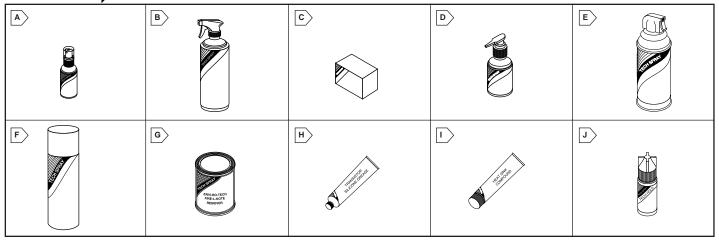
MOUSER STOCK NO.	Fig.	Description	Price Each
577-1991	G	Spot cleaning	11.60







Static Control, Coatings, and Specialty Products



ETC. STATIC CONTROL FOAM CLEANERS

High foaming action cleans contaminant's from glass, plastic, and metal enclosures, without harmful abrasives while providing light static control.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1742-2FP	A	2 oz. pump	5.02
577-1742-PT	B	1 pt. trigger	9.27

ZERO CHARGE™ STATIC **CONTROL PRODUCTS**

Mat and Table Top Cleaner

Removes insulating contaminant's such as flux residues, oils, greases, nicotine, dirt, and grime Eliminates charge and prevents static charge build-up.

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1733-2FP	A	2 oz. pump	5.02
577-1733-PT	B	1 pt. trigger	7.65

Screen and Keyboard Cleaner

Removes hand oils, ink marks, dust, fingerprints, nicotine, syrup, carbon, and other soils from work areas. Safe on most plastics.

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1743-50PK	С	50 pkg. box	14.94

Clean-Room 209 Cleaner

Non-ionic clean-room cleaner that meets federal specification 209 for class 100 and lower. Product cleans and eliminates static charge from sensitive surfaces

For quantities greater than listed, call for quote,

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1744-2FP	А	2 oz. pump	5.29

ZERO CHARGE™ STATIC CONTROL PRODUCTS

Hand Lotion

Formulated with aloe vera for a deep, penetrating, soothing action. Contains no silicone or lanolin. Nongreasy, non-sticky, odorless, and fast absorbing.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each
 577-1702-2SQ 577-1702-8FP	- D	2 oz. squeeze 8 oz. pump	2.68 4.05
3//-1/02-0FF	U	o oz. pump	4.05

Anti-Stat Cleaner

Eliminates static charge and reduces triboelectric generation from most surfaces. Recommended for applications that experience flexing and movement and for plastics such as polyethylene, polypropylene, and other similar surfaces.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1726-2FP	1	2 oz. pump	5.20
577-1726-PT	В	1 pt. trigger	8.91

Static Dissipative Treatment

Eliminates static charge and reduces triboelectric generation. Protects up to five times longer than conventional anti-static agents. Should be used on porous surfaces such as corrugated paper, carpets, and other similar materials.

Plus a UPS hazardous material charge per carton.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1734-PT	В	1 pt. trigger	9.97

ENVI-RO-TECH™ ANTI-STATIC FREEZER

100% HFC's, no CFC's, no HCFC's

A rapidly evaporating HFC-134a product that contains an anti-static agent. Zero ozone depletion factor. Used as a trouble shooting aid in static sensitive areas for intermittently faulting capacitors, resistors, semiconductors, and other defective components. Also detects cold solder joints and oxidized junctions.

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1747-10S	Е	10 oz.	7.28

PROTECTIVE COATINGS

Fine-L-Kote™ SR

Flexibility allows for vibration, movement, and rapid changes in temperature. Offers chemical resistance and is recommended for harsh environments. Can be reworked by applying soldering iron, or complete removal by using the Fine-L-Kote[™] remover

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Fig.	Size	Price Each
577-2102-12S	F	12 oz.	14.96

Fine-L-Kote™ AR

Provides insulation against high voltage arcing and corona shorts. Product offers limited resistance to common alcohols, ketones, and esters

For quantities greater than listed, call for quote

577-2103-12S	F	12 oz.	12.41
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Fine-L-Kote™ UR

Urethane conformal coating. Highly resistant to most solvents, moisture, and fungus. Can be reworked by applying soldering iron, or complete removal using Fine-L-Kote[™] remover (577-1618).

For quantities greater than listed, call for quote

577-2104-12S	F	12 oz.	13.52
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Fine-L-Kote™ HT

A silicone resin, conformal coating exhibiting excellent adhesion properties. Fine-L-Kote™ HT coating offers complete versatility. Removal can be accomplished with Fine-L-Kote™ Remover (577-1618).

For quantities greater than listed, call for quote

	MOUSER STOCK NO.	Fig.	Size	Price Each
l	577-2106-12S	F	12 oz.	13.18

ENVI-RO-TECH™ FINE-L-KOTE™ REMOVER

Removes most conformal coatings, including: acrylic, epoxy, urethane, and some silicones. It can also be used to remove enamels, paints, varnishes, and lacquers. Quickly removes tar, adhesives, crayon, rubber, and carbon.

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1618P	G	1 pt. metal	15.81

ENVI-RO-TECH™ CIRCUIT CHILLER

A HFC-134a based, rapidly evaporating liquid that chills to minus 62°F. Zero ozone depletion factor. Used as a trouble shooting aid for intermittently faulting capacitors, resistors, semi-conductors, and other defective components. Also detects cold solder joints, cracks in PCB's, and oxidized junctions.

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1672-10S	Е	10 oz.	7.06

TRANSISTOR SILICONE **GREASE**

Used to coat the bases of power transistors as they are connected to heat sinks. Heat conductive grease will draw heat away from the transistor allowing it to

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1977	Н	1 oz. tube	5.27

SILICONE FREE, HEAT SINK COMPOUND

A silicone-free compound applied under power transistors and other devices that generate heat to assist in transferring heat from generating objects to metal chassis for dissipation. Temperature range

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Fig.	Size	Price Each
577-1978	ı	2 oz. tube	8.42

TECH HOLD™ GENERAL **PURPOSE ADHESIVE**

Single component cyanoacrylate adhesive that exhibits high strength, fast bonding, and high impact holding. Having a medium viscosity, flows into small openings (up to .004 inches).

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Fig.	Size	Price Each
77-2503	J	3 gram	1.62





PCB Design, Etching, Repair, and Software Products

GC PC BOARD PROTOTYPE PRODUCTION PRODUCTS

Etching Solution Heater



524-22-392	\$16.84

Etch Resist Ink Pens

or making resist circuits directly on PC boards.

Features:

- . Choice of fine or extra fine tip
- Dries instantly Black resist ink

524-22-220

524-22-222

MOUSER	Tip Size	Price
STOCK NO.	(In.)	Each

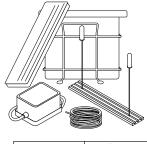
1/32

1/64

Professional PC Board Power Etching System

A semi-automatic etching device for use in labs, schools, prototype shops and for limited PC board production. Air pump agitates etching solution for fast, even etches. Handles up to two 8" x 10" PC boards at a time, either single or double sided.

- Etching Tank and Reservoir Lid (12"H x 2 1/2"W x 10 1/2"L) Molded Polyethylene - ABS PC Board Holder Capacity - 1.25 Gallons of Etching Solution
- Etch-O-Matic Power Agitating
- Pump, 120V AC Operation Permanent or Portable Tip-Free Base
- PC Board Holder and Handle
- Feet of Supply Hose



524-22-394	\$79.04
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TONER TRANSFER SYSTEM

. No Chemicals! No Darkroom! No Negatives!

Create your own "iron-on" PC board

- - 3 Fasy Stens
 - Iron it...
 - Snak it
- patterns, faceplates, and color decals from any laser printer or high quality

STOCK NO. Sheets 1 5	MOUSER	No. of	Price	Each
	STOCK NO.	Sheets	1	5
5165-TTS5 5 14.95 13.46	5-TTS5	5	14.95	13.46
5165-TTS10 10 27.95 25.45	5-TTS10	10	27.95	25.45

GC POSITIVE TYPE **DEVELOPER** CONCENTRATE

2.02

For developing photo sensitized PC boards coated or pre-coated with positive type etch resist.



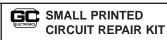
524-22-226	\$5.05

GC PCS POSITIVE-**ACTING ETCH** RESIST **SENSITIZER**

An excellent PC boardmaking system for the prototype engineer to produce today's high density, fine-line circuit boards. Easy aerosol application covers 5 to 7 square feet.



524-22-074 \$12.49



Kit Contains:

- 1 solder aid tool (probe) 2 oz. Print-Kote
- 1 low-melt solder
- 2 oz. Print-Kote solvent 1 PC repair foil · Assorted solder
- 1 brush 1 pair of tweezers
 - washers (fluxed)



524-682 \$22.13

circuit™ **WORKS PCB DESIGN AND REPAIR PRODUCTS**

Conductive Silver Lubrication

Conductive silver grease combines pure silver with advanced lubrication technologies for maximum electrical and thermal conductivity. Protects components from moisture, corrosion and is suitable for low to medium loads and speed

- Electronic
- Design
- Prototype
- Net Weight: .23 oz

5168-7100

Conductive Carbon Lubrication

Conductive carbon grease combines pure carbon graphite with advanced lubrication technologies for electrical conductivity adequate for many applications. Protects components from moisture, corrosion and is suitable for low to medium loads and speeds

- Electronic
- Design Prototype
- Net Weight: .12 oz Repair

5168-7200 \$8.75

Quick-Bond Gel and Accelerator

A nonmigrating cyanoacrylate gel that provides superior bond strength.

Accelerator can be brushed on or applied directly over the gel for reliable, instant bonding

Features:

Strong, super tough, instant bonding Gel formula stays in place and fills gaps

- · Bonds most materials, including plastics,
- rubbers, and metals Use where strong, instant bonds are required

5168-4300	\$6.50
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Overcoat Pens



- A tough coating to protect and insulate
- components, braces, and repairs on circuit boards Dries in minutes at room temperature
- Can be applied over traces made by the conductive pen to protect and insulate trace
- When used to repair solder masks, improves the reliability and safety of circuit board modification

MOUSER STOCK NO.	Color	Price Each
5168-3300C	Clear	10.95
5168-3300G	Green	10.95

Conductive Pens



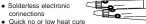
- . Use where conductive electronic traces are needed for designing prototype circuits

 Improved conductivity, better trace adhesion, and
- reduced setting in the pen
- Dries in 3-5 minutes at room temperature
 Spring loaded tip for smooth flow

MOUSER STOCK NO.	Description	Price Each
5168-2200ST	Standard tip	13.15
5168-2200MT	Micro-tip	13.15

Silver Epoxy Kit

For quick connections and bonding in electronic design, prototype, and repair projects. Bonds to solder, mylar, glass, and copper. Contains (part "A") epoxy, (part "B") hardener, reusable stir/applicator, and instructions. Tube size .25 oz. Use with the conductive and overcoat pens for complete design, prototype, and repair.







PRINTED CIRCUIT MATERIALS KIT

Includes all the essential materials for making professional printing circuit boards using positive method. Light source not included. The pre-sensitized PC boards are single sided copper clad. Note: Kit shipped in two boxes (Part A: kit with paint bi-products; Part B: etching solution). UPS requires a hazardous r surcharge for Part B.

Kit Contains:

- 1 PC contact frame
- 1 pre-sensitized PC board (6" x 6") 1 pre-sensitized PC board (3" x 4")
- 2 pre-sensitized PC boards (4" x 6")
- 2 mylar sheets (8-1/2" x 11")
- 1 etch resist ink pen · 2 PC board drill bits
- 1 plastic etching tray (5-1/4" x 7-1/4")
- 1 plastic developing tray (5-1/4" x 7-1/4") 6 oz. PC board etching solution
- 2 oz. positive developer concentrate
- 1/2 oz. etch resist lacquer
 2 oz. PC board stripping solution



Plus a per carton UPS hazardous material charge

	_
524-22-312	\$54.25

SOFTWARE FOR PCB DESIGN

WinDraft is the user friendly schematic capture package for Windows. Install on your PC and in minutes you'll be designing schematics with unsurpassed ease

Minimum System

- Requirements: 486DX based PC
- 8MB RAM
- 10MB hard drive space
- Easily create designs up to 200 pins.
- Expandable to larger designs.
- · Compatibility, reads in OrCAD schematics and libraries. • Industry standard formats for EDIF and ASCII
- . Complete with Elec. Rules Check. Bill of Materials
- and over 12,000 parts.

 Comes on two 3.5" HD (1.44M) disks

WinBoard

WinBoard delivers the most sophisticated interactive routing capabilities available under Windows. It supports through hole and SMD designs. Easily create or modify your own modules footprints. Do designs on the fly (place modules and connect them).

Minimum System Requirements:

- 486DX based PC
- . 10MB hard drive space
- . Easily create designs up to 200 pins.
- Expandable to larger designs.
 Compatibility, reads in netlists from WinDraft,
- OrCAD, Tango, Protel and more.

 Industry standard formats for Gerber photo plot, NC Drill, and Bill of Materials.
- Complete package with DRC, Pick & Place over 700 modules, and more. Comes on two 3.5" HD (1.44M) disks

526-WINBOARD \$29.95



PC Boards and Tools

FR-4 COMPOSITE

An economical epoxy glass laminate. Suited for applications requiring high strength at low cost. Copper clad one side only.



(ایل E41625 - 000145:-

US9 UNICKTIESS		
MOUSER STOCK NO.	Board Size (In.)	Price Each
501-FR3X3S	3 x 3	1.06
501-FR4X6S	4 x 6	1.96
501-FR8X10S	8 x 10	6.14
501-FR12X12S	12 x 12	8.36

LIQUID ETCHANT

Ferric Chloride one of the most widely used liquid etchants for PC board production. Fast acting, very effective, and economically priced. .42° baume. Shipping weight per gallon 15 pounds

MOUSER	Price
STOCK NO.	Each Gallon
5161-FECL-B	18.99

Plus a UPS hazardous material charge per shipping carton (This chemical is shipped 1 gallon per carton.)

DRY ETCHANT

Ammonium Persulphate ideal fast acting powder etchant that you mix with water prior to use.

Economical, fast, and effective. Mix ratio: 2 pounds (±10%) of the ammonium persulphate powder to a gallon of water.

MOUSER	Price Eac	h Pound
STOCK NO.	1 to 9 Lbs.	10+ Lbs.
5161-APS-B	4.94	3.79

Plus a UPS hazardous material charge per shipping carton (Maximum quantity carton 30 pounds.)

ETCH RESIST INK PEN

Features:

- Black resist ink
- Fine point
- Felt tip deposits resist directly on copper-clad boards

Type AA

Dries instantly

MOUSER

524-22-220

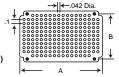


PRE-PUNCHED COPPER CLAD PC BOARDS

Features:

- Copper-clad one side
- Pre-patterned "pad-per-hole" design
- .042" diameter holes with 0.1" spacing between holes

DIMENSIONS (IN.)



MOUSER	Dimensions (In.)		Fits Cases			Price Eacl	n	
STOCK NO.	Α	В	Fils Cases	1	10	25	50	100
400-9032	2.44	1.46	400-5032 and 400-6032	2.89	2.41	2.19	1.99	Call
400-9043	3.03	1.85	400-5043 and 400-6043	3.86	3.22	2.93	2.66	
400-9053	3.86	2.40	400-5053 and 400-6053	5.06	4.22	3.84	3.49	For
400-9064	4.96	2.99	400-5064 and 400-6064	7.00	5.83	5.30	4.82	Quote

PROTOTYPING GRID BOARDS

Features:

- · High quality

DIMENSIONS (IN.)

.098 o .042 Dia

- Pre-punched
- .042" hole diameters
 1/16 (.06) thickness

.098 or .200

2.5mm/.098" Grid Spacing

MOUSER	Width	Length	Copperclad		Price	Each	
STOCK NO.	(ln.)	(In.)	Copperciau	1	10	50	100
153-1108	5.91	7.87	None	9.76	8.13	7.39	0-11
153-1112	5.91	11.81	None	12.50	11.36	10.33	Call For
153-1120	5.91	19.69	None	21.54	19.58	17.80	Quote
153-1220	5.91	19.69	1 Side	29.28	26.62	24.20	Quote

.200" Grid Spacing

MOUSER	Width	Length			Price	Each	
STOCK NO.	(ln.)	(ln.)		1	10	50	100
153-1122	5.91	19.69	None	17.51	15.92	14.47	Call

PLUG BOARDS

Features:

A

- Available in Y matrix or "pad-per-hole" design
 For edge card, eurocard or plan

(A)

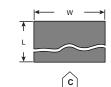
- Copper-clad one side
- .100" grid spacing



0.42" hole diameters

1/16 (.06) thickness

High quality epoxy paper



Type BB

MOUSER	Fig.	Description Type Widt		Width	Lth.	Price Each			
STOCK NO.	rig.	Description	Type	(ln.)	(ln.)	1	10	50	100
153-1307	Α	Pad-per-hole, for 32 pin eurocard	AA	3.94	6.29	13.46	12.24	11.13	Call
153-1309	В	Pad-per-hole, .100 card edge fingers	AA	3.94	6.29	13.46	12.24	11.13	
153-1318	С	Y matrix with continuous holes	BB	3.94	6.29	11.73	10.66	9.69	For
153-1322	С	Y matrix with continuous holes	BB	3.94	19.69	33.26	30.24	27.49	Quote

(B)

Bishop Graphics, Inc. DRAFTING SYMBOLS

PC Design Template 1X

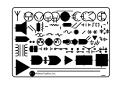
Contains 9 axial lead and 7 radial lead components, 5 Contains 9 axial read and 7 indical read components, 5 transistor and 7 potentiometer outlines; various lead patterns on .200°, .230°, & .400° centers, flat pack, and DIP outlines; 100°, .125°, .156° spaced connector strip patterns; 5 scale size: 5° x 6° x .030° thick. Pencil allowance: .025



MOUSER STOCK NO.	Price Each
508-3365	38.21

Electrical and Electronic Diagrams Template

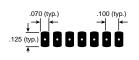
Complies with ANSI Y32.2 and IEEE standard No. 315. All popular schematic and logic symbols needed to produce most electronic diagrams. For use on a .200" grid. Size: 7" x 5" x .030" thick.



MOUSER STOCK NO.	Price Each
508-3378	20.06

DUAL-IN-LINE SYMBOLS

DIMENSIONS (IN.)





DIMENSIONS (IN.)

MOUSER STOCK NO.	Size	Pins	Qty.	Price Per Pkg
508-6014	1x	14	250	57.12
508-6038	2x	14	250	57.12
508-6004	1x	16	250	57.12
508-6109	2x	16	250	57.12
508-6535	1x	24	100	57.12
508-6536	2x	24	100	57.12

DONUT PADS

Serve as the basic termination area for prototyping and PC artwork.

MOUSER O.D. ID Price Per Pkg. STOCK NO. (In.) (ln.) 508-D136 .062 .025 23.28 508-D137 .093 .031 23.28 508-D101 .100 0.31 23.28 508-D102 .125 .031 15.36 508-D138 .187 .031 15.36 031 508-D141 250 15.36 508-D114 .375 .062 19.54

BLACK TAPE

20 yard rolls

MOUSER STOCK NO.	Tape Size (In.)	Price Per Roll
508-201-031-11	.031	6.38
508-201-040-11	.040	6.38
508-201-050-11	.050	6.38
508-201-062-11	.062	6.43
508-201-100-11	.100	6.43
508-201-125-11	.125	6.82

TEAGLE PCB CARD GUIDES

The printed circuit board card guide is designed to fit a .125" + .003" -.001" front diameter hole and a .120" \pm .005 x .218" slot rear hole.







MOUSER	Dimensi	ions (In.)	Price Each						
STOCK NO.	Α	В	1	100	500	1000			
561-CG250	2.5	2.0	.49	.368	.336	.305			
561-CG300	3.0	2.5	.49	.368	.336	.305			
561-CG350	3.5	3.0	.49	.368	.336	.305			
561-CG400	4.0	3.5	.55	.420	.378	.347			
561-CG450	4.5	4.0	.59	.438	.402	.365			
561-CG550	5.5	5.0	.56	.420	.378	.347			
561-CG600	6.0	5.5	.63	.473	.431	.389			

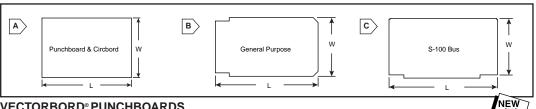


DIMENSIONS (IN.)





VECTORBORD® Prototyping Boards



VECTORBORD® PUNCHBOARDS

ĬN'97 Precision drilled or pre-punched, VECTORBORD® Prototyping boards are convenient, economical design tools and are cost efficient alternatives to custom designs. For quantities greater than listed, call for quote.

MOUSER	Fig.	Dime	ensions	(ln.)	Material	Circuit Pattern	Pr	ice Eac	h
STOCK NO.	9.	W	L	Т	Waterial	Olicuit i attern	1	10	25
574-64P44WE	Α	4.50	6.50		FR4 Epoxy glass	.042" general purpose prototyping	5.43	5.16	4.88
574-64P44XXXP	Α	4.50	6.50		FR2 Phenolic	.042" general purpose prototyping	5.43	5.16	4.88
574-64P44	Α	4.50	6.50			.042" general purpose prototyping	5.43	5.16	4.88
574-84P44WE	Α	4.50	8.50		FR4 Epoxy glass	.042" general purpose prototyping	6.17	5.87	5.55
574-169P44C1	Α	4.50	17.00	.062		.042" general purpose prototyping	11.89	11.31	10.70
574-169P44	Α	4.50	17.00	.062	CEM-1 Epoxy glass composite	.042" general purpose prototyping	9.79	9.31	8.81
574-169P44XXXP	Α	4.50	17.00	.062	FR2 Phenolic	.042" general purpose prototyping	7.68	7.30	6.90
574-169P44WE	Α	4.50	17.00		FR4 Epoxy glass	.042" general purpose prototyping	10.28	9.78	9.25
574-169P44WEC1	Α	4.50	17.00		FR4 Epoxy glass, copper, 1 side	.042" general purpose prototyping	14.66	13.94	13.19
574-169P59-032	Α	6.00	17.00		FR4 Epoxy glass	.042" general purpose prototyping	14.66	13.94	13.19
574-169P59047	Α	6.00	17.00	.047	FR4 Epoxy glass	.042" general purpose prototyping	14.66	13.94	13.19
574-169P59XXXP	Α	6.00	17.00	.062	FR2 Phenolic	.042" general purpose prototyping	11.64	11.07	10.47
574-169P79WE	Α	8.00	17.00	.062	FR4 Epoxy glass	.042" general purpose prototyping	16.09	15.30	14.47
574-169P84	Α	8.50	17.00	.062	CEM-1 Epoxy glass composite-6	.042" general purpose prototyping	17.22	16.37	15.48
574-169P84C1	Α	8.50	17.00		CEM-1 Epoxy glass composite, copper, 1 side		23.81	22.64	21.41
574-169P84WE	Α	8.50	17.00	.062	FR4 Epoxy glass	.042" general purpose prototyping	19.59	18.62	17.61
574-169P84WEC1	Α	8.50	17.00	.062	FR4 Epoxy glass copper clad one side	.042" general purpose prototyping	25.25	24.01	22.71
574-169P99	Α	10.00	17.00	.062	CEM-1 Epoxy glass composite	.042" general purpose prototyping	23.17	22.03	20.84
574-85G42WE	Α	8.50	17.00	.062	FR4 Epoxy glass	.062" general purpose prototyping	16.06	15.26	14.46
574-85H48WE	Α	4.80	8.50	.062	FR4 Epoxy glass	.062" general purpose prototyping	9.91	9.43	8.91
574-85H85WE	Α	8.50	8.50		FR4 Epoxy glass	.062" general purpose prototyping	12.33	11.71	11.09
574-170H48WE	Α	4.80	17.00		FR4 Epoxy glass	.062" general purpose prototyping	11.98	11.39	10.78
574-170H85WE	Α	8.50	17.00	.062	FR4 Epoxy glass	.062" general purpose prototyping	20.82	19.80	18.72

CIRCBORD® PRINTED CIRCUIT PROTOTYPING BOARDS

CIRCBORD® Printed Circuit Prototyping Boards satisfy a wide range of development requirements without the expense of edge connectors. Several different circuit patterns are offered. All bus and circuit and pad surfaces are solder-coated for user convenience. All have .042" holes on .1" grid and are made of flame retardant epoxy.

MOUSER	F:	Dime	ensions		Hole	16 Pin DIP	Material	Circuit Pattern	Price	Each
STOCK NO.	Fig.	W	L	Т	Dia. (In.)	(In.) Capacity	Materiai	Circuit Pattern	1	10
574-8001	Α	4.50	6.50	.062	.042	20	CEM-1 Epoxy glass composite	3 hole solder pad	21.81	20.74
574-8002	Α	4.50	6.50	.062	.042	36	CEM-1 Epoxy glass composite	Interleaved buses one side	24.19	23.00
574-8003	Α	4.50	6.50	.062	.042	60	CEM-1 Epoxy glass composite	Pad-per-hole one side	20.76	19.74
574-8004	Α	4.50	6.50	.062	.042	50	CEM-1 Epoxy glass composite	Ground plane one side	22.88	21.76
574-8007	Α	4.50	6.50	.062	.042	60	CEM-1 Epoxy glass composite	Pad-per-hole, ground plane	23.24	22.10
574-3677-6	Α	4.50	8.08	.062	.042	21	CEM-1 Epoxy glass composite	3-hole solder pad	16.81	15.98
574-45P80-1	Α	4.50	8.08	.062	.042	80	CEM-1 Epoxy glass composite	Pad-per-hole	25.36	24.12
574-8010	Α	12.86	4.00	.062	.042	124	FR4 Epoxy glass	Pad-per-hole	70.42	66.96
574-8006	Α	5.00	13.25	.062	.042	154	FR4 Epoxy glass	Pad-per-hole, plated thru hole	40.12	38.14
574-8012	Α	9.20	11.00	.062	.042	283	FR4 Epoxy glass	Pad-per-hole, plated thru hole	60.16	57.20
574-106P106-1	Α	10.60	10.60	.062	.042	275	CEM-1 Epoxy glass composite	Pad-per-hole	62.55	59.47

VECTORBORD® GENERAL PURPOSE AND STANDARD BUS EXTENDER CARDS

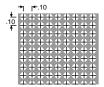
			5							
MOUSER	Fig.		(ln.)	Spacing	Hole	16 Pin DIP	Material	Bus	Price	Each
STOCK NO.		Capacity		Dus	1	10				
574-4610-1	В	6.5	4.5	0.1	.042	59	CEM1 Epoxy glass composite	Contacts only	33.38	31.74
574-4610-2	В	6.5	4.5	0.1	.042	35	CEM1 Epoxy glass composite	Interleaved bus	33.38	31.74

VECTORBORD® GENERAL PURPOSE PLUGBOARDS™

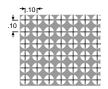
Made of flame-retardant epoxy glass or epoxy glass composite materials. They are built to precise specifications for secure solder or wire wrap connections.

All feature gold pla	ted edg	ge conne	ectors.						For quantities greater than listed, call f	or quote.
MOUSER		Dime	ensions	(ln.)	Spacing	No. of	16 Pin DIP	Material	Circuit Pattern	Price
STOCK NO.	Fig.	W	L	Т	(ln.)	Cont.	Capacity		Circuit Pattern	Each
574-3797-2	В	4.50	2.73	.062	.156	30	4	CEM-1 Epoxy, glass composite	3 hole solder pad	17.34
574-4112-5	В	4.50	4.50	.062	.156	44	8	CEM-1 Epoxy, glass composite	3 hole solder pad/ground plane	26.67
									(w/ zig-zag buses)	
574-3662	В	6.50	4.50	.062	.156	44	50	CEM-1 Epoxy, glass composite	Contacts only	19.59
574-3662-5	В	4.50	4.50	.062	.156	44	40	CEM-1 Epoxy, glass composite	Contacts only	16.47
574-3662A6	В	6.50	4.50	.062	.156	44	90	CEM-1 Epoxy, glass composite	Ground plane	31.79
574-3662-9	В	6.50	4.50	.062	.156	44	48	FR4 Epoxy glass	Pad-per-hole, plated thru holes	38.21
574-3677-2	В	6.50	4.50	.062	.156	44	12	CEM-1 Epoxy, glass composite	3 hole solder pad w/ interleaved vtg.,	22.41
									ground buses	
574-4112	В	9.60	4.50	.062	.156	44	40	FR4 Epoxy glass	3 hole solder pad	34.38
574-4112-4	В	6.50	4.50	.062	.156	44	25	CEM-1 Epoxy, glass composite	3 hole solder pad (w/ zig-zag buses)	28.76
574-3677	В	9.60	4.50	.062	.156	44	21	CEM-1 Epoxy, glass composite	3 hole solder pad	25.25
574-3682-2	В	6.50	4.50	.062	.156	44	24	CEM-1 Epoxy, glass composite	Interleaved bus/ground plane	25.25
574-3682	В	9.60	4.50	.062	.156	44	48	CEM-1 Epoxy, glass composite	Interleaved buses	34.91
574-4610	В	6.50	4.50	.062	.125	56	20	CEM-1 Epoxy, glass composite	3 hole solder pad, I/O connector pads	31.79
574-4610-3	В	6.50	4.50	.062	.125	56	52	FR4 Epoxy glass	Pad-per-hole, plated thru holes, I/O	47.07
									connector pads	
574-3719-1	В	6.50	4.50	.062	.100	72	50	CEM-1 Epoxy, glass composite	Contacts only	22.66
574-3719-4	В	9.60	4.50	.062	.100	72	90	CEM-1 Epoxy, glass composite	Contacts only	25.25
574-3719-6	В	6.50	4.50	.062	.100	72	40	FR4 Epoxy glass	Pad-per-hole, plated thru holes	41.67
574-4493	В	6.50	4.50	.062	.100	72	42	CEM-1 Epoxy, glass composite	Voltage/ ground planes	34.69
574-4350	В	9.60	7.00	.062	.125	80	63	CEM-1 Epoxy, glass composite	Voltage/ ground planes w/ zig-zag buses	44.83
574-8804	С	5.30	10.00	.062	.125	100	70	CEM-1 Epoxy, glass composite	Voltage/ ground planes, S-100 bus	55.98
574-8801-6	С	5.30	10.00	.062	.125	100	80	FR4 Epoxy glass	Pad-per-hole, S-100 bus	56.12

Circuit Pattern



.042" General purpose prototyping



.062" General purpose prototyping





Contacts only pattern



Voltage/ground plane pattern



NEW

_IN'9#

Interleaved bus pattern



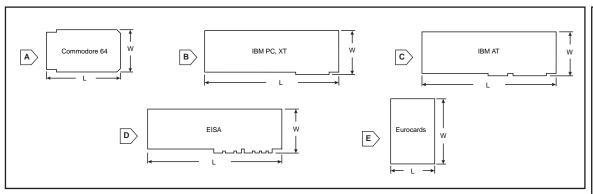


Zig-zag buses





VECTORBORD® Prototyping Boards



VECTORBORD® BUS SPECIFIC PLUGBOARDS™

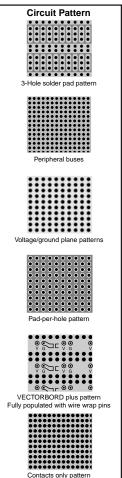
Boards have bus specific architecture. They can be used for wirewrap or solder terminations. Holes and edge contacts are positioned on 0.1" centers. Power and ground buses are committed to connectors per bus specifications. Layout paper and instructions are included.

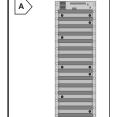
MOUSER	Fig.	Dimensi	ions (In.)	Hole	16 Pin DIP	Material	Bus	Circuit Pattern	Price	Each
STOCK NO.	rig.	W	L	Dia. (In.)	Capacity	ivialeriai	bus	Circuit Fatterii	1	10
574-3795-1	Α	2.73	4.50	.042	4	CEM1 Epoxy glass comp.	Commodore 64	3 hole solder pad	21.43	20.38
574-4613	В	4.20	13.23	.042	44	FR4 Epoxy glass	IBM PC, XT	3 hole solder pad	63.60	60.48
574-4613-1	В	4.20	13.23	.042	84	FR4 Epoxy glass	IBM PC, XT	Peripheral buses	49.42	46.99
574-4613-2	В	4.20	13.23	.042	55	FR4 Epoxy glass	IBM PC, XT	Voltage / ground planes	63.60	60.48
574-4613-3	В	4.20	13.23	.042	91	FR4 Epoxy glass	IBM PC, XT	Pad-per-hole, plated thru holes	49.95	47.49
574-4617	C	4.80	13.25	.042	32	FR4 Epoxy glass	IBM AT	3 hole solder pad, plated thru holes	63.60	60.48
574-4617-1	C	4.80	13.25	.042	108	FR4 Epoxy glass	IBM AT	Peripheral buses	51.90	49.35
574-4617-3	C	4.80	13.25	.042	96	FR4 Epoxy glass	IBM AT	Pad-per-hole, plated thru holes	63.60	60.48
574-4617-4	C	4.80	13.25	.055	140	FR4 Epoxy glass	IBM AT	Voltage / ground plane	63.60	
574-4617C5LF	C	4.80	13.25	.055	140	FR4 Epoxy glass	IBM AT		484.12	
574-4607	A	5.19	8.43	.042	85	FR4 Epoxy glass	DEC	Contacts only	38.62	36.72
574-4619-3	D	4.50	13.25	.042	70	Mult. layer	EISA	Pad-per-hole, plated thru hole	168.69	160.39

VECTORBORD® EUROCARD METRIC VME PROTOTYPING BOARDS (DIN 41612)

Feature precision-drilled holes and FR4 epoxy glass construction. They are compatible with VME, Multibus 11, Future Bus, and most common DIN-based applications. Bus connector areas designed for standard 96 pin DIN connectors.

	MOUSER	Fig.	Dimens	ions (In.)	11010	16 Pin DIP	Material	Circuit Pattern	Wire Wrap	Price	Each
	STOCK NO.	ı ıg.	W	L	Dia. (In.)	Capacity	Material	Onoun Fattorn	Pins	1	10
57	74-E160-3U-3	Е	6.30	3.94	.055	45	FR4 Epoxy glass	Voltage / ground plane	R50, R51, R53	32.09	30.51
57	74-E160-6U-1	E	6.30	9.19	.042	100	FR4 Epoxy glass	Pad-per-hole with plated thru holes	574-R32/C	51.43	48.90
57	74-E160-6U-3	E	6.30	9.19	.055	105	FR4 Epoxy glass	Voltage / ground plane	R51, R52, R53	54.00	51.35
57	74-E220-6U-1	E	8.66	9.19	.042	140	FR4 Epoxy glass	Pad-per-hole with plated thru holes	574-R32/C	68.10	64.75
57	74-E220-6U-3	E	8.66	9.19	.055	168	FR4 Epoxy glass	Voltage / ground plane	R51, R52, R53	65.52	62.29
57	74-E280-9U-3	Е	11.02	14.44	.055	348	FR4 Epoxy glass	Voltage / ground plane	R51, R52, R53	90.14	85.70





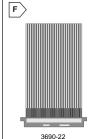
4610-16-1A

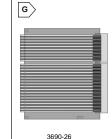












VECTORBORD® STANDARD BUS BACKPLANE

Fully assembled and tested, 16 slot backplane for standard bus applications. Connector spacing is on .75" centers. Meets all standard bus specifications.

* Power lines are filtered with bypass capacitors

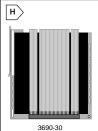
MOUSER	Fig.	Dimensions (In.)		Connector	,	Accessories			Price Each		
STOCK NO.	ı ıg.	W	L	Т	Spacing	Plugbord Series	Extender	Card Rack	Contacts	1	10
574-4610-16-1A	Α	4.35	13.00	.062	.750	4610 series	3690-16	CCK13 series	Gold plated	254.48	242.15

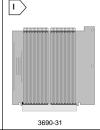
VECTORBORD® GENERAL PURPOSE AND BUS SPECIFIC EXTENDER CARDS

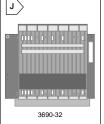
Extenders for in-system testing of functioning circuits. Construction is either FR4 epoxy glass or epoxy glass composite with nickel / gold plated edge contacts and gold plated socket contacts. Connectors are installed and attached to 2-once etched circuit line on the board. Connector tabs on most models are designed to accept test clips or probes.

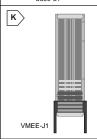
* Power lines are filtered with bypass capacitors

MOUSER	Fig.	Dimensi	ions (In.)	Spacing	No. of	Material	Bus	Price Each	
STOCK NO.	l ig.	Н	W	Opacing	Contacts	Material	Dus	1	10
574-3690	В	6.50	4.50	.156	44	Epoxy glass composite	General purpose	34.91	33.20
574-3690-4	В	7.50	4.50	.100	72	Epoxy glass composite	General purpose	64.45	61.28
574-3690-6	В	11.00	4.50	.156	44	Epoxy glass composite	General purpose	41.06	39.01
574-3690-12	С	7.50	10.00	.125	100	Epoxy glass composite	S100	66.38	63.11
574-3690-16	D	6.50	4.50	.125	56	Epoxy glass composite	General purpose/standard	43.23	41.10
574-3690-18	E	7.65	12.00	.100	60	Epoxy glass	Multibus 1	95.00	90.33
574-3690-22	F	5.70	3.18	.100	62	Epoxy glass	IBM PC, XT	57.76	54.92
574-3690-26	G	5.60	6.70	.100	36	Epoxy glass	IBM AT	66.38	63.11
574-3690-30	Н	7.475	6.10	DIN	96	Multilayer	PS/250, 60	205.86	195.57
574-3690-31		7.475	7.65	DIN	96	Multilayer	PS280	237.77	226.08
574-3690-32	J	5.60	6.70	.050	188	Multilayer	∦EISA	258.19	245.49
574-VMEE-J1	K	3.94	12.20	DIN	96	Multilayer	VME	255.82	243.24
574-VMEE-J2	K	3.94	12.20	DIN	96	Multilayer	VME	255.82	243.24











Vector-Pac® Kits, Tools, and Accessories

PCI DEVELOPERS KITS AND PCMCIA PROTOTYPE KITS

4624-10 PCI Developer's Kit

- Provides prototype space and additional boards and accessories for circuit layout
- Compliant with PCI Spec 2.1 providing Busmastering functions
- Chip and kit documentation included
 Kit Contents: 2 PC boards that plug into PCI board, PCI
- prototype board with AMCC Matchmaker bus controller chip with provisions for flash memory and memory for software use, ISA "Loopback" PC card for interface with same or other PC, test and development software, chip and kit documentation (schematics and circuit layout drawings) and

574-4624-10 \$495.00

4624-8 PCI Prototype Board for Circuit Development

- Full size PCI card allowing expanded space for circuit layout
 Compatible with Power PC Macintosh and PC formats
 AMCC Matchmaker bus controller chip installed and tested on PCI card
- Software and documentation provided

574-4624-8	\$295.00

4624-3 PCI Prototype Board for Universal Development

- Multilayer board with pad per hole pattern with power and ground accessible throughout board
- Designed for use in 5 volt or 3.3 volt applications
 Designed for use with Vector prototype accessories
- Instructions included 574-4624-3

3690-34-3V PCI Test Extender

- 32 bit or 64 bit test extender card for 3.3 volts
- Each signal line provided with test point
- Assembled and tested · Instructions included

3690-34-5V PCI Test Extender

- . 32 bit or 64 bit test extender card for 5 volts
- Each signal line provided with test point
- Assembled and tested Instructions included

574-3690-34-3V \$225.00 574-3690-34-5V \$225.00

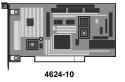
4625-3 PCMCIA Prototype Board Kit

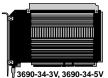
- Large area 10.6" x 7" prototype board
- FR4 epoxy glass board
- 0.1" grid pattern with pad per hole, surrounded by ground and power planes on both sides of board
- Kit Contents: PCMCIA adaptor, 10.6" x 7" prototype board

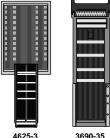
574-4625-3 \$125.00 3690-35 PCMCIA Test Extender

- Designed for Type I and Type II use
 64 pin connect or with numbering
- Multilaver construction
- Signal lines provided with test points
- · Assembled and tested

574-3690-35









PAD CUTTER

Pad cutters provide an effective method for creating isolated solder pads around holes in copper clad boards Pilot pin enters hole and rotated.

creating a clearanced area around solder pad.

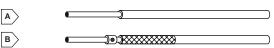


\$135.34

MOUSER STOCK NO.	Fig. Description A With handle, for pattern P042" holes		Price Each
574-P138A	A	With handle, for pattern P, .042" holes	20.90
574-P138C	B	Shank only, without handle, for use in power drills	17.11

WIRE-WRAP TOOLS

\$135.00



4624-8

MOUSER STOCK NO.	Fig.	Description	Price Each
574-P160-1B	Α	Manual unwrap tool for 26AWG - 30AWG wire	60.59
574-P160-2B	В	Manual wrapping tool for 26AWG - 30AWG wire	41.97

4624-3

TEFZEL INSULATED SILVER PLATED WIRE

This wire is designed to be used with wire wrap terminals. Spool diameter is 1 inch.

MOUSER STOCK NO.	AWG	Color	Ft. Per Spool	Spools Per Pkg.	Price Per Pkg.
574-W28-6A	28	Green	50	2	16.12
574-W28-6B	28	Red	50	2	16.12
574-W28-6D	28	Blue	50	2	15.28
574-W28-6E	28	White	50	2	16.31
574-W28-6F	28	Yellow	50	2	15.28
574-W28-6H	28	Black	50	2	16.55





MULTI-MOD CASE



Versatile multi-mod case is ideal for small case packaging of testers, controllers, and other instruments. Brushed aluminum construction provides excellent RF attenuation. Extruded, two piece frame assembles quickly with self tapping screws. Fits standard .062" cards.

MOUSER STOCK NO.	Dime	ensions	(ln.)	Card Pri		
	Н	W	L	Size (In.)	Each	
574-W20-66-46B	4.61	2.00	6.61	6.50 x 4.50	24.55	

PINS, TERMINALS, SOLDER EYELETS, AND BUS STRIPS

Mini-Klip™ Push-In Terminals

DIMENSIONS (IN.)

Pressfit mounting

100

MOUSER STOCK NO.	Fig.	Description	Package Quantity	Price Each
574-T28/M	Α	Push-in terminal for .062" holes	1000	36.50
574-T42-1/C	В	Push-in terminal for .042" holes	100	5.32
574-T42-1/M	В	Push-in terminal for .042" holes	1000	38.10
574-K24A/M	C	Pin .650" (L) for .042" hole, gold plated	1000	89.34
574-K24C/M	С	Pin .650" (L) for .042" hole, tin plated	1000	49.14
574-K30C/M	D	Pin .550" (L) for .042" hole	1000	31.05
574-K31C/M	D	Pin .375" (L) for .042" hole, tin plated	1000	34.76
574-K32/C	Е	J pin terminal for .042" holes	100	12.93

.025" Square Post Wire-Wrap Terminals

574-T44/C	F	Bifurcated with 2 pronged receptacle for	100	6.34
574-T44/M	F	wires or leads	000	38.10
574-T46-2-9/M	G	Press in terminal for .042" hole; A=.36", B=.42"	1000	66.06
574-T46-3-9/C	G	Press in terminal for .042" hole; A=.46", B=.60"	100	9.47
574-T46-3-9/M	G	Press in terminal for .042" hole; A=.46", B=.60"	1000	71.83
574-T46-4-9/C	G	Press in terminal for .042" hole; A=.04", B=.42"	100	6.46
574-T46-4-9/M	G	Press in terminal for .042" hole; A=.04", B=.42"	1000	48.52
574-T46-5-9/C	G	Press in terminal for .042" hole; A=.28", B=.60"	100	7.97
574-T46-5-9/M	G	Press in terminal for .042" hole; A=.28", B=.60"	1000	65.37
574-T49/C	Н	Trifurcated with 3 pronged receptacle for	100	11.64
574-T49/M	Н	wires or leads	1000	102.76
574-T68/C	Ī	Bifurcated mini-wrap terminal length .80	100	6.12
574-T68/M	1	Bifurcated mini-wrap terminal length .80	1000	32.59
574-T68A/M	1	Bifurcated mini-wrap terminal length .63	1000	45.33

574-R32/C Four finger contacts, depth .13"

.042" Wire-Wrap Socket Pins

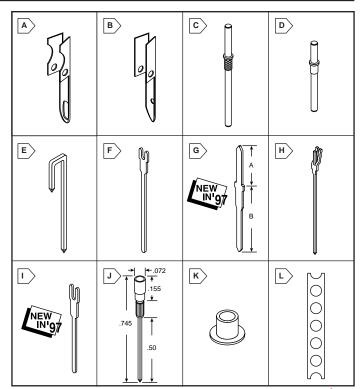
574-R32/M	J	Four finger contacts, depth .13"	1000	193.97
Solder Eyelets	s and	Bus Strips		
574-T123/500	K	Solder evelets for .055" holes	500	26.45

.08" (W) x 14" (L) solder-coated

· Low profile



MOUSER	Dime	ensions	(ln.)	Card	Price
STOCK NO.	Н	W	L	Size (In.)	Each
574-W20-66-46B	4.61	2.00	6.61	6.50 x 4.50	24.55







28.45

78.80

Breadboards, Accessories, and Tools

3M SOLDERLESS BREADBOARDS

3M solderless breadboards incorporate state-of-the-art techniques in design and fabrication to yield a circuit building system with unparalleled flexibility.

- 5 way binding post
- interface connections
- Laboratory proven multi-tie point terminal design
- Steel base with high gloss baked enamel finish · Alpha-numeric tie-point
- identification

 3M jumper wires included
- with all breadboards

DIP

36-14 pin

45-14 pin

54-14 pin 14.69

10.25 9.25

12.44 9.75

9.75

MOUSER

STOCK NO.

517-922306

517-922309

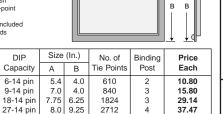
517-922318

517-922327

517-922336

517-922345

517-922354



4

2648

4520

5424

000

3M COLOR CODED JUMPER WIRES

517-923345-06

517-923345-07

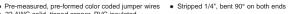
.95 1∢

55.81

74.98

83.32

- 22 AWG solid, tinned copper, PVC insulated





Blue

Violet

MOUSER STOCK NO.	Length (In.)	Color	Package Quantity	Price Each
517-923345-08	0.8	Gray	150	4.64
517-923345-09	0.9	White	150	4.64
517-923345-10	1.0	Brown	100	4.64
517-923345-20	2.0	Red	100	4.64
517-923345-30	3.0	Orange	75	4.64
517-923345-40	4.0	Yellow	75	4.64
517-923345-50	5.0	Green	75	4.64

3M COLOR CODED JUMPER WIRE ASSORTMENT KIT

0.6

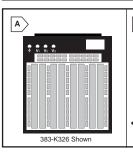
• 350 pieces • 14 different color coded lengths • 25 of each length

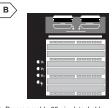
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150

4.64

MOUSER STOCK NO.	Price Each
517-923351R	20.18

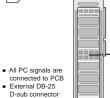




Programmable 25-pin detachable I/O D-sub connectors included



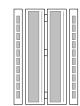
- · Built-in power supply (short-proof) • DC power: +5V/1A
- Adjustable: 0 to +15V or -15V @ 500mA



- (female) for

PP MULTI-BOARD SOCKETS **AND BUS STRIPS**

- · Center channel can be adjusted from
- 0.3 to 0.6 with a simple swap of the strips Accommodates 8 to 40 pin IC's
- Can fit up to 9 14-pin dual-in-line IC's Snap lock design allows easy
- combination with other strips



MOUSER	Price
STOCK NO.	Each
383-X1000	10.95

PROTO-TYPE BOARDS

For construction of electronic circuits. Accepts most electronic components including IC's and transistors. Contacts-silver/nickel alloy. ABS polymer plastic body. Edge plates included. Dimensions shown are base plate dimensions.

MOUSER Fig		Description	Dimer	ı. (ln.)	Price
STOCK NO.	ı ıg.	Description	L	W	Each
383-K158	Α	1580 tie points, 3 binding posts, fits up to 18 14-pin dual-in-line IC's	6.625	7.50	21.45
383-K242	Α	2420 tie points, 4 binding posts, fits up to 27 14-pin dual-in-line IC's	9.875	7.375	32.19
383-K326	Α	3260 tie points, 4 binding posts, fits up to 36 14-pin dual-in-line IC's	10.50	9.50	47.39
383-K2300-1	В	Interface proto-type board, 2320 tie points, 4 binding posts, fits up to 36 14 pin dual-in-line IC's	10.00	9.00	58.95
383-K2400		Powered proto-type board, input line voltage: AC 120V 60Hz, 2420 tie points, power switch w/light	9.75	7.75	159.95
383-Q1940	D	PC interface proto-type board, 1940 tie points, fits up to 24 14-pin dual-in-line IC's	13.75	4.00	91.88

PP SOCKET AND BUS STRIPS

Features:

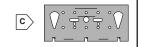
- External body is made of polymer which resists heat up to 90°C

- Internal contact material is made of silver and nickel alloy
 Contact resistance: < Imü
 Snap lock design allows easy combination with each other for greater design flexibility



383-K10 Shown

MOUSER	Fig.	Description	Dimen. (In.) L W 3.15 .47 3.15 1.5	Price	
STOCK NO.		Description	L W		Each
383-Q50	Α	2 buses of 25 terminals in two rows	3.15	.47	2.13
383-Q290	Α	58 groups of 5 connected terminals	3.15	1.5	4.95
383-K10	Α	4 buses of 25 terminals in two rows	6.8	.54	1.95
383-K64	В	128 groups of 5 connected terminals on each side	6.8	1.5	6.95
383-EP3	С	Edge plate allows easy mounting of components	6.8	2.5	.78



PP solid jumper wire

Features:

- Replacement wire for jumper wire assortment kit, part number: 383-1425
- Each wire is stripped 1/4" and bent 90° on both ends
- PVC insulated #22 AWG solid tinned copper
- 14 color coded sizes from 0.1" to 5.0"

MOUSER STOCK NO.	Length (In.)	Color	Pkg. Qty.	Price Each
383-KS01	0.1	(no insulation)	200	3.94
383-KS04	0.4	Yellow	200	3.94
383-KS06	0.6	Blue	150	3.94
383-KS10	1.0	Brown	100	3.94

X-ACTO TOOLS

6 1/2" Long Tweezer

MOUSER STOCK NO.	Fig.	Description	Price Each
5877-X73380	Α	Nickel plated steel, self closing and blunt serrated points	4.28

Mini Vacu-Vise

5877-X73700	Holds tight instantly on nonporous surfaces, glass, metal formica, etc. No screws, just flip the lever!	8.09

Knife

5877-X3001 C 5" long knife with aluminum handle 2.75	-			
	5877-X3001	С	5" long knife with aluminum handle	2.75

Blades

MOUSER STOCK NO.	Fig.	Description	Price Each	
5877-X11	D	No. 11 blade, package of 5	1.70	

Hot Knife

5877-X6278	Е	Threaded end screws into Weller marksman soldering iron	3.14	
		578-SP23 and cuts through plastics rapidly and accurately.		

Knife Assortment Kit

5877-X5082	F	Comes complete with fitted chest and #1, 2, and 5 knives	18.68	1
		nlus 10 assorted extra blades		ı







Test Equipment, Breadboards, and Software

5002 UNIVERSAL COUNTER

- Frequency, period, ratio, pulse width, and count modes
- 1.3GHz maximum frequency
- AC or battery operation Selectable gate times
- 0.1. 1. 10 seconds
- High resolution reciprocal measurement
- Portable with detachable
- AC line cord Trigger level control and low pass filter



NEW

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· External standard

auto-change over

input with

510-5002 \$499.95

MODEL 5003 FREQUENCY COUNTER

- 1.3GHz hand held frequency counter
- 5Hz to 1300MHz frequency range
- Very high sensitivity at all frequencies Frequency and period measurement, 0.0001mHz resolution
- Reciprocal counting technique gives superior accuracy
- Push-to-measure function with auto power-down
- Large 8-digit display with full range of indicators

Three year warranty

510-5003

NEW <u>™</u>9#



\$250.00

230

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\$610.00

2002D FUNCTION GENERATOR

- · 2MHz multi-purpose sweep function generator with
- internal 6-digit frequency counter
- Wide frequency range 0.2Hz to 2MHz
- Provides sine, triangle, square
- wave, and ramp outputs Continuously variable
- 50Ω output
- NEW Variable DC offset Symmetry control

IN'97 Separate TTI output provides duty-cycle adjustment



\$280.00

Sween input allows VCO

control of frequency

without digital display Three year warranty

Model 2002 available

510-2002

MODEL 1302B DC POWER SUPPLY

The 510-1302A features three completely isolated voltage supplies: a fixed/

variable 5 VDC, 5.0A output, two variable 0-30 VDC, 2.0A outputs are available via front panel, and color-coded binding posts. The separate front panel 3 inch LED displays allow you to monitor voltage from 0-30V and current from 0-2A.





510-1302 \$525.00

MODEL 1310 DC POWER SUPPLY

Three independent outputs-one fixed: +5V; two variable: 1.2-20V. +5VDC @ 1 amp, variable supplies .25 amp each. LED readout for voltage or current on either variable supply. External short circuit will not damage supplies. All supplies are floating and transformer isolated. Size: 3H x 10W x 7D inches. Weight: 6 lbs.

Three year



510-1310 \$174.00

2003 FUNCTION GENERATOR

- Fully synthesized DC to 1.6 MHz
- Trigger, sweep, burst, hop, gate, and continuous modes
- Internal linear/log sweep across frequency range
- External trigger and gate TS232 communications port
- Three year warranty





510-2003 \$525.00

1316/1332 POWER SUPPLIES

- Model 1316: 0-16VDC @ 0-10A
- Model 1332: 0-32VDC @ 0-5A
- Laboratory grade
- single output supplies
- Short circuit protected
- Digital readout monitors current and voltage
- Coarse and fine
- adjustments
- Heavy duty
- transformer isolated design
- Constant current/voltage mode LED indicators
- Three year warranty

510-1316 510-1332

NEW

_IN'97

1504/1505 AC POWER SUPPLIES

- Model 1504 Single Range: 0-150VAC @ 4A
- Model 1505 Dual Range: 0-150VAC @ 4A, 0-260VAC @ 2A Triple isolated continuously
- variable AC output
- Power line leakage current
- measurement facility 3-digit DPM for high accuracy
- Capacitive coupling less than 0.0005pF
- Galvanic leakage less than 10uA
- 120dB attenuation for common mode noise
- · Three year warranty

510-1504

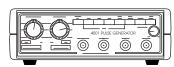
510-1505





4001 PULSE GENERATOR

- Independent settings of pulse
- width and pulse spacing Outputs from 0.5Hz to 5MHz
- Complement output-inverts
- waveform
- Variable output for CMOS circuitry
- · Symmetrical square wave outputs
- Four modes-run, triggered, gated, one-shot
 • Power required: 105-135AC,
- 57-63Hz, 6VA maximum
- Sizes (H x W x D): 3" x 10" x 7". weight: 2.2 lbs.
- Three year warranty



510-4001 \$210.00

UNPOWERED PROTO-BOARDS™

510-PB-10

- 840 tie points
- 3 binding posts
 Plastic backplate
- 7 x 4 x 1.4 inches (L x W x H) 8 14pin DIP cap

- 510-PB-103
- 2250 tie points
- 4 binding postsAluminum backplate
- 9 x 6 x 1.4 inches (L x W x H) • 24 14pin DIP cap

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\$390.00

\$360.00

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- Largest breadboard
 - available
- 4560 tie points 5 binding posts
 Aluminum backplate
 9.2 x 11.4 x 1.4 inches
- (L x W x H) Contact resistance
- less than .5mΩ 48 14-pin DIP capacity

Unlimited

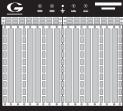
Lifetime

Guarantee

On All Global

Breadboard

Sockets



510-04-1050



510-PR-103

Guarantee On All Global Breadboard **Sockets**

Unlimited

Lifetime

510-PB-10 \$17.44 510-PB-103 \$44.00 510-04-1050 \$95.00

POWERED PROTO-BOARDS™

- 1 to 100KHz function generator and TTL outputs
- Voltage: 5V and variable ±5-15VDC power supplies
- 8 logic probe circuits, LED indicators, pulsers, potentiometers and speaker

Bench-top workstation PB-503C:

- Identical to PB-503
- in portable design workstation Housed in a rugged carrying case PB-203A:
- 5VDC, 1A power supply
 Separate +5.5-18VDC/-5.5-18VDC power supplies-capable of 500mA @ 15VDC

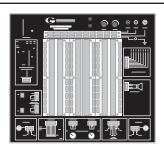
Factory pre-set power to +/-15VDC Voltages independently adjustable . Twenty four 14 pin DIP capacity

PB-203AK: Identical to PB-203A in kit form

- 30-page construction manual PB-204:
- 5VDC, 1A power supply Separate +12/-12VDC power supplies-capable of 250mA

 Powered from external pak twenty four 14 pin DIP capacity
- MOUSER Weight STOCK NO. (lb.) Each 510-PB-503 299.95 510-PB-503C 7.8 349.95 510-PB-203A 5.5 183.00 510-PB-203AK 5.5 129.95 510-PB-204

PR-200 Series



PR-503 Series



CIRCUIT SIMULATOR SOFTWARE

Includes:

Protolab™ Release 3.2

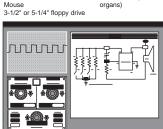
3 Protoware[™] modules (diodes

transistor amplifiers, and electronic

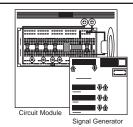
Introducing Protolab™ a total computer-simulated, electronics laboratory including free built-in test instruments and tools to build and test actual circuits

System Requires:

- IBM/PC or compatible
- with 512K RAM EGA/VGA video



Electronic Organ





Includes EGA/VGA graphics, quick function key menu selection, and on-line help. Most importantly, Release 3.2 supports the advanced components available in Protoware™ circuit modules.

Protoware™ modules and diodes, transistor amplifiers and an electronic organ. A "cook-book" format makes it easy to learn and understand. Change component values and analyze the circuit. View the circuit in schematic or pictorial presentation. A great program for studying the basics of electronic circuits and test equipment.

IBM, trademark of International Business Machines, Inc.

*Price includes 3 additional Protoware™ modules (diodes, transistors, and electronic organ)

510-PL-0006 \$24.95*







ADVANCED DIGITAL MULTIMETERS

Common Features:

- AC/DC voltage: 750V / 1000V
 AC/DC current: 10A
- Resistance range: $20M\Omega$ $40M\Omega$ Double insulated input jack

- Overload protection voltage up to max. 600V in resistance range, capacitance, continuity, and diode check
- 1000V between Com, and ground jacks
- 10A fused with input overload protection Introduction to surface mount technology (SMT)
- Designed to meet IEC-1010-1 safety requirements
- Wrong position protection
- Adopting unbroken tilt stand Diode test
- Continuity test Safety holster





NEW

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3 1/2-Digit Display

MOUSER STOCK NO.	Count	Range	Data Hold	TR hfe	Freq.	Capac.	Auto Off	Analog Bar Graph	Batt. Test	Price Each
585-DM311	2000	Man	No	No	No	No	No	No	Yes	50.99
585-DM312	2000	Man	No	Yes	Yes	Yes	No	No	No	79.99
585-DM313	2000	Auto/Man	Yes	No	No	No	No	No	No	59.99

3 3/4-Digit Display

	-17									
585-DM332	4000	Man	Yes	105.74						
585-DM333	3200	Auto/Man	Yes	No	No	No	Yes	Yes	No	69.99
585-DM334	4000	Auto/Man	Yes	No	Yes	No	Yes	Yes	No	99.99

DIGITAL CLAMP METER

Features:

585-CM631D

- 3 3/4-digit LCD display, 4000 count
- Meet UL, CSA, CE, and IEC-1010-1 safety standards Compact and rugged case

- Easy use with tear drop shape jaw
 Surge and overload protection in all range
- Data and peak hold functions
- · Continuity check with beep sound





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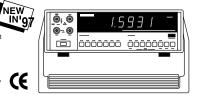




DIGITAL MULTIMETER

Features:

- 4 1/2-digit display, 5 digit green LED, 1999 count
- VDC basic accuracy of 0.05% Full overload protection
- Frequency measurement up to 200KHz Continuity check with beeper
- Continuity check with below.
 Data hold, diode check, TR hfe
 Data hold, available measurement available True RMS in AC range
- 600V overload protection in resistance range



585-DM-441B \$229.99

OSCILLOSCOPES

The newest oscilloscopes from Goldstar offer economic choice for high quality. Suitable for use in schools, production, service, and maintenance of consumer products

Common Features:

- 6" rectangular CRT (8x10 DIV)
- Ch2 polarity inversion switch High-sensitivity X-Y operation
- Vertical gain sensitivity x5 magnifier
 Horizontal sweep time x10 magnifier
- Automatic focus
- Warranty: 2 years

- Level control for superior triggering Meets IEC-348 safety requirement
- 100V/120V/220V/240V, 50-60Hz, power source
- TV sync circuit Variable hold-off function
 Z-axis (intensity modulation)



(User manual, 2 spare fuses, and probe set included)

MOUSER STOCK NO.	Freq. MHz	Trace	Channel	Signal Delay	Alt Trigger	RS232 Inter- face	Comp- act Size	Function Generator	Price Each
585-OS3020	20	Dual	2	No	No	Yes	No		1050.00
585-OS5020P	20	Dual	2	No	Yes	No	Yes		427.00
585-OS9020G	20	Dual	2	No	No	No	No	1MHz	559.99
585-OS9040D	40	Dual	2	No	No	No	No		776.00
585-OS9060D	60	Dual	2	No	No	No	No		921.00
585-OS8100A	100	8	3	No	No	No	No		1350.00
585-OS9100P	100	Dual	2	Yes	Yes	No	No		1022.77
								•	

REGULATED DC POWER SUPPLY

Features:

- · Plastic case, considerably light
- Compact size, easy to carry
- Low power consumption
 Output polarity: positive and negative
- CC/CV indicator

- N'9/



- Built-in 4 digit green LED for digital display (GP-4303D)
 Low ripple voltage less than 1.5mVp-p
- · Overload protection circuit

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MOUSER STOCK NO.	Description	Price Each
	Analog 30VDC 0-3A power supply Digital 30VDC 0-3A power supply	199.00 229.00

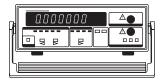
FREQUENCY COUNTERS

Features:

- AC/DC coupling
- Attenuator (10:1) One year warranty
- Built-in CMOS gate array
 Fast, high-resolution, 8-digit green LED display
- · Reciprocal technique for low frequency resolution



Total, RPM function, period
 INT/EXT time base selectable



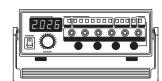
MOUSER STOCK NO.	Description	Price Each
	150 MHz multi-function counter 1.3 GHz multi-function counter	269.00 309.99
	Universal 150MHz multi-function count.	
585-FC-2130U	Universal 1.3GHz multi-function count.	369.00

FUNCTION GENERATORS

Features:

- DC offset control
- One year warranty
 Wide frequency range: 0.02Hz to 2MHz TTL/CMOS leveled square wave output
- Linear sweep control from 1:1 to 100:1

 Maximum attenuation of 40dB can be obtained Built-in 4-digit green LED display (FG-2002C only)
- . Low distortion factor less than 1% at 10Hz to 100KHz
 Output impedance changeable:
- 50Ω or 600Ω (FG-2002C only)
- Variable symmetry to generate saw-tooth and pulse wave forms
- Versatile waveforms: sine, triangle square, ramp and pulse, saw-tooth



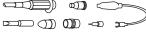
5	MOUSER STOCK NO.	Description	Price Each
	35-FG-8002 35-FG-2002C	MHz, sweep function generator MHz, sweep function generator with LED display	199.00 349.00

OSCILLOSCOPE PROBE SET

Contents of Each Kit:

- Probe w/ x1/x10 switch setting
 Band width: 100 MHz (x10);
 1 I.C. tip
- 10MHz (x1) 1 BNC adaptor
- 1 spring hook
- 1 insulating tip 1 ground lead • 1 measuring tip





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MOUSER STOCK NO.	Description	Price Each
585-OS-100A	2 probe kits, overall length is 59"	54.25



343

DIGITAL STORAGE OSCILLOSCOPES

Specifications:

- 20 MHz bandwidth
- 40 Ms/s sampling rate
- 2 channels
- 4 x 8 KB memory
- Cursors and readouts
 RS-232 interface
- standard IEEE-488 interface
- standard
- 50 ns glitch capture
- Triggers to 40 MHz Lab View® or Lab Windows® compatible

• Up to 8,000 samples

per waveform

Dual time base

Pre-trigger

- IEC 1010 class 1
- safety compliance

• Up to 4,000 samples

per waveform

• Dual time base

• IEC 1010 class 1

· 3-year warranty

safety compliance

Pre-trigger

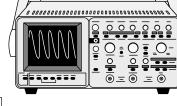
3-year warranty

615-5020 \$2219.00

Specifications:

- 100 MHz bandwidth 40 Ms/s sampling rate
- 2 channels
- Autoset
- 2 x 4 KB memory
- Cursors and readouts
- RS-232 interface
- No IEEE-488 interface
- 8 x 10 cm display
- 50 ns glitch capture

615-5100 \$2495.00



615-5020 Illustrated

Specifications:

- 100 MHz bandwidth
- 40 Ms/s sampling rate Up to 8,000 samples 2 channels
- Autoset
- Triggers to 180 MHz Lab View® or Lab Windows® compatible
 - 4 x 8 KB memory Cursors and readouts RS-232 interface
 - standard
 IEEE-488 interface

 - 8 x 10 cm display
- safety compliance

 3-year warranty

Dual time base

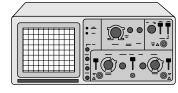
Lab View® or Lab

Pre-trigger
 Triggers to 180 MHz

Windows® compatible IEC 1010 class 1

615-5105 \$2695.00

OSCILLOSCOPES



40 MHz Dual-Channel

Specifications:

- 1 mV/div sensitivity 19 calibrated sweeps

- Video sync separators
- X10 sweep mag 3 year warranty

AUTO/NORM

triggered sweep

615-1541C \$799.00

20 MHz Dual-Trace

- Specifications: 1 mV/div sensitivity
- · Dual or single trace
- Calibrated 19 step time
- base with x 10 magnifier coupling
 Compact low-profile design 2 year warranty

- operation with AC, TVH, TVV, and line

615-2120

\$454.23

615-1541C Illustrated

100 MHz Three-Trace **Dual Time Base**

Specifications:

- 1mV/division sensitivity Signal delay line Sweeps to 5ns/division
 22 calibrated ranges, Channel 1 output
- main time base

615-2190

- 19 calibrated ranges on
- delayed time base
- Trigger view channel CH 3
- 15 kV accelerating voltage

V mode-displays two

signals unrelated in

\$1599.00

60 MHz Dual-Trace Specifications:

1 mV/div sensitivity

615-2160

- Sweep to 5 ns/div 23 calibrated ranges
- main time base
- Z axis input 19 calibrated ranges delayed time base Single sweep Beam finder
- Signal delay line UNCAL indicators
- Component tester 3 year warranty

\$1099.00

frequency

DC POWER SUPPLIES

B&K-PRECISION power supplies provide the versatility and reliability required for a broad spectrum of laboratory and service applications. They are ideal for use in engineering, industrial service shop, lab and school applications. Each power supply is built for continued stability and accuracy over a wide range of operating conditions



Single Output 615-1735 Illustrated

Triple Output 615-1760 Illustrated



High Current 615-1686 Illustrated

Single Output

Features:

- Output voltage: 0-30V
- Constant voltage/constant current operation
- 2 analog
- 2 year warranty

615-1710 \$229.00

Features:

- Output voltage: 0-60V
- Output current: 0-2A
- Constant voltage/constant current operation
- 2 analog

615-1711 \$309.00

- Features:
- Output voltage: 0-30V
- Output current: 0-3A
 Constant voltage/constant current operation 2 analog
- Operate continuously at full load without
- overheating Coarse and fine voltage controls
- 2 year warranty

615-1730 \$315.00

Features:

- Output voltage: 0-30V Output current: 0-3A
- Constant voltage/constant current operation
- · Continuously monitor voltage and current output on two meters 2 digital
- 2 vear warranty
- 615-1735 \$380.00

Triple Output

- Features:
- Two 0-30VDC, 2A sections capable of independent, series or parallel operation
- One 4-6.5VDC, 5A section
- Switchable series/parallel operation 30V sections
- Adjustable current limit controls 30V sections Two 3 digit LED displays - one reads volts or amps of "B" supply - one reads volts or amps of
- "A" supply or 4V-6.5V supply

 Unique variable tracking, B track A at 5% to 100%

615-1760 \$649.00

Compact Triple Output

- Two 0 to 24VDC outputs (0.5A)
- One fixed 5V output (4A)
- Independent or tracking operationAdjustable current limiting Designed to operate continuously at rated output
- Overload protection: short circuit, overvoltage and reverse polarity Connect outputs in series for higher voltage output or in parallel for higher current output (switch
- selectable)

 1 year warranty 615-1651

- Output voltage: 0-30V @ 2.5A;
 12V and 5V @ 0.5A
- · All features of Model 1651

615-1670 \$199.00

High Current

- . 3 to 14 volts DC output
- 12 amps guaranteed, 12 amps typical @ 13.8V Overload protection: short circuit, overvoltage and reverse polarity
- Thermostatically controlled cooling fan 1 year warranty
- 615-1686

FUNCTION GENERATORS

615-4011 Illustrated



B&K-PRECISION offers a full-range of function generators so you can choose the generator best suited to your own activities or applications.
The line consists of a variety of high performance generators including function, sweep/function, RF and audio. All are rugged lab-grade instruments capable of satisfying a variety of engineering, testing, and service situations. Each has been engineered for high-

Sine/Square Wave Audio Generator

reliability and user operating convenience

- 20Hz to 150kHz in 46 steps
- Low distortion R-C oscillator
- Variable output control Low battery indicator

615-3001 \$79.00

5 MHz Function Generator with Digital Display

- Features:
- 0.5Hz to 5MHz
- Sine, square, triangle, pulse, and ramp output
- Coarse and fine tuning 4 digit LED display
- Variable duty cycle Variable DC offset

615-4011 \$284.00

2 MHz Function Generator

- Features:
- 0.2Hz to 2MHz in 7 ranges
 Variable duty cycle
 Sine, square, triangle, pulse,
 Variable DC offset

and ramp output 615-4010 \$229.00

10 MHz Sweep/Function Generator with Digital Display

- 0.1Hz to 10MHz 5 digit LED display

• Linear and log sweep • All features of Model 4011 615-4017 \$369.00

20 MHz Sweep/Function

Generator with Frequency Counter

615-4040

- Specifications:
- 0.2Hz to 20MHz · AM and FM modulation

Burst operation External frequency counter to 30MHz

5 digit LED display All features of Model 4017

ACCESSORIES

MOUSER Manufacturer STOCK NO. Part Number		Description	Price Each
615-2001	TL-1	Standard test leads	8.00
615-2002	TL-2	Deluxe test lead set	20.00
615-2003	TL-3	Accessory tip kit	12.00
615-2100	DP-21	Digital logic probe	34.00
615-2103	CP-3	DC/AC current clamp adaptor	86.00
615-2129	LC-29A	DMM case	10.00
615-2144	HV-44	High-voltage probe/meter 0-40,000V	109.00
615-23701	PR-37AG	Oscilloscope probe gray	54.50
615-23702	PR-37AR	Oscilloscope probe red	54.50





\$499.00

\$429.00

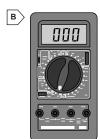
\$199.00





DIGITAL MULTIMETERS













MOUSER STOCK NO.	Fig.	DCV ACC	Ranging	Display LCD	Analog Bar Graph	Data Hold	Memory	Сар	Frequency	Logic	Tran Gain	Temp.	Auto Off	Warranty	Price Each
615-2700	Α	1.3	Auto	3200	Yes	Yes	No	No	No	No	No	No	Yes	1 Year	33.00
615-2703A	В	0.5	Manual	3 1/2	No	No	No	No	No	No	No	No	No	1 Year	39.00
615-2704A	В	0.5	Manual	3 1/2	No	No	No	Yes	No	No	Yes	No	No	1 Year	59.99
615-2706	В	0.5	Manual	3 1/2	No	No	No	Yes	No	No	Yes	Yes	No	1 Year	79.00
615-2707	В	0.5	Manual	3 1/2	No	No	No	Yes	Yes	Yes	Yes	No	No	1 Year	89.00
615-330	С	1.0	Manual	3 1/2	No	No	No	No	No	No	No	No	Yes	1 Year	89.00
615-2860A	D	0.5	Manual	3 1/2	No	No	No	No	No	No	No	No	Yes	5 Years	99.00
615-388A	E	0.5	Manual	4000	No	No	No	Yes	Yes	Yes	Yes	No	Yes	3 Years	119.00
615-389	E	.25	Auto	4000	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	3 Years	139.00
615-390	E	0.1	Auto	4000	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	3 Years	159.00
615-391	E	.05	Manual	4 1/2	No	Yes	No	No	Yes	Yes	No	No	Yes	3 Years	179.00
615-5370	F	.05	Auto	4 1/2	Yes	No	Yes	Yes	Yes	No	No	Yes	No	3 Years	289.00

PREMIUM DIGITAL MULTIMETER

Display Features:

- 50,000 count resolution
- Autoranging or manual ranging
 34 segment analog bargraph
- Fast 20 times/second bargraph
 Visual annuciators for function and unit of measurements
- Power disturbance indicator Bargraph zoom, X5 magnification
- equivalent 170 segment resolution Readouts for bargraph range in zoom
- Power disturbance indicator: displayed
- when presence of Transient or Harmonics occur on AC voltage being measured
- Backlit LCD
- Low battery indicator
 Blown fuse indicator
- Identifies which fuse
- Live circuit indicator

Accuracy Specifications:

- DC volts: 0.05%
 DC mA: 0.05%
 Frequency: 0.03%
 Capacitance: 1.0%
 - Capacitance: 1.0% dBm: 0.03dB
- AC volts: 0.3% • AC mA: 0.6%
- Ohms: 0.07%
- Duty Cycle: 0.03%

Temperature: 0.5°C

Special Features: · RS-232 capability built in

- Record readings printer/computer
 Selectable record internal
- Recalibrate via RS-232 without opening case
- Record calibration data Data hold
- Auto hold upon probe touch and stabilize
- 1ms peak hold
- Peak hold + (surge) or Peak hold (sag)
- Relative mode
- Settable reference value in relative mode
- Min/Max/Avg record
- 500 hour battery life

POCKET SIZED MULTIMETER

- · Auto power off conserves battery
- Auto power override in Min/Max record, peak hold, event counting RS-232 or live circuit conditions
- True RMS, crest factor 6
- Selectable 10MΩ or 1GΩ input impedance
- on 500mV range Sealed case, keeps out dust and
- contaminants Water tight, IP677 compliant
- Shock and vibration resistant MIL-T-28800
- Extended operating temperature 3 year warranty



615-5370 \$289.00

ANALOG MULTIMETER

Features:

- 20 0000/volt DC
- 28 ranges 3 1/2" mirrored scale
- Tests batteries under load Tests transistors Includes batteries and test leads

Specifications:

Accuracy specifications apply from +18°C to +28°C



- Compact size (1 3/16 x 2 3/8 x 3 1/2)
- Measures AC & DC voltage and DC current
 One 1.5V, AA size battery (included)
- Test leads and instruction manual included

- Measures resistance R x 1KΩ ±4° arc of scale length
- Measures decibels -20dB to +56 dB on AC voltage ranges
- 0-10, 50, 250, 500V scales ±4% accuracy
 2,000 Ω/V sensitivity
- 0-0.5, 50, 250 mA scales ±4% accuracy



Features:

- 3 1/2 digit LCD display Measures capacitance to 199.9 mF
- 10 ranges from 199.9 pF to 100.0 mF



AUTO RANGING CAPACITANCE METER

615-114A \$42.00 615-117 \$13.00 615-830 \$339.00

DUAL-DISPLAY HAND-HELD LCR BRIDGE WITH STATISTICAL FUNCTIONS

Features:

- Measures capacitance, resistance, and inductance Measures dissipation factor of capacitors and Q of inductors
- Simultaneously displays measured value and Q or dissination factor Tolerance mode "beeps" to indicate measured
- components outside a 1%, 5%, or 10% tolerance around a reference value
 Two selectable test frequencies (120Hz, 1kHz)
- Auto or manual ranging



LCR METER

Features:

- Measures capacitance. resistance, and inductance
- · Measures dissipation factor of
- capacitor and 1/Q of inductors

 3 1/2 digit LCD display



HAND-HELD PARTS TESTER

Features:

- Large 0.8" digit, high contract LCD readout
 25 user ranges for versatile test selection
- Tests resistance from 0.1Ω through $20M\Omega$ Tests transistors, SCRs, diodes, and LEDs
- Tests batteries under actual loaded conditions
- 5 foot drop-proof, heavy duty case Tilt stand for benchtop use



615-815 \$99.00



615-878

615-875A





₩₩ETEK Test Equipment

XL POCKET SERIES FULL-FUNCTION COMPACT DMM

\$39.95

Common Features: Large 3 1/2 digit display

Input warning beeper Safety test leads

Common Features:

 Large 3 1/2 digit display Input warning beeper 10A fused AC/DC current Logic test

DC voltage range: 200mV.

2V, 20V, 200V, 1000V

• AC voltage range: 200mV,

Resistance range: 200Ω, 2KΩ, 20KΩ, 200KΩ, 2MΩ

20MO 2000MO

AC/DC current range: 200μ, 2m, 20m, 200m, 10A

Continuity test: beeper <75Ω

TI 30

2V 20V 200V 750V

569-DM2 \$29.95

Input warning beeper

569-DM5XL Safety test leads

- Large LCD Digits
- Input warning beeper
 Safety Tester™ feature: detects and display the presence of particular AC or DC voltage levels through a series of LEDs

569-DM10XL \$49.95

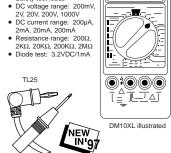
- Large LCD Digits Safety test leads
- Input warning beeper
 Logic tester feature: detects and displays the presence of TTL pulses up to 20MHz

569-DM15XL \$59.95

- Test leads
 Non-shrouded 90° banana plugs
 30" PVC insulated (1 red, 1 black)

569-TL25

\$5.00



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TL245

DM25XT illustrated

XT SERIES HIGH-PERFORMING, FULL-FUNCTION DMM

- Detects live AC voltages without using the DMM battery. A bank of four LEDs indicates an AC
- voltage presence up to 440V.

 Measures and displays temperature in either Celsius or Fahrenheit degrees

569-DM23XT

- \$89.95 Measures signal frequencies up to 2KHz
- Capacitance measurement capability from 2nF up to 2000µF

569-DM25XT \$99.95

- Measures capacitance from 2nF to 2000µF
- Measures inductance from 1µH to 20H
 Measures signal frequencies up to 20MHz
- Autoranging when measuring frequency, automatically adjusting to display the appropriate frequency unit

569-DM27XT

- Measures capacitance from 2nF to 20mF
 Frequency accuracy is ±0.5% +3/0.1Hz • Temperature range: -30°C to 1300°C
- -22°F to 2000°F

569-DM28XT

- Test leads
 Shrouded 90° banana plugs
 40" PVC insulated lead wire, insulated probe tips (1 red, 1 black)

569-TL30

- \$11.00
- Test leads
 Shrouded 90° banana plugs
 36" PVC insulated, (1 red, 1 black)

569-TL245

4-DIGIT, ANALOG AND DIGITAL **DISPLAY TRUE RMS DMM**

Features:

- Probe Hold™
- Auto Min Max ™ (auto ranging) Auto Rel[™] (auto ranging)
- Overload Alert™

Specifications:

\$119.95

\$119.95

NEW ĬÑ'9∦

- DC voltage: 1V, 10V, 100V, 1000V
 AC 45Hz to 10KHz: 10V, 100V, 750V
- AC/DC current: 10mA, 40mA, 10A
 Diode test: 2.25V @ 4.5mA

Resistance: 1K, 10K, 100K 1M, 10M, 40MΩ



569-RMS225

\$189.95

4-DIGIT, ANALOG AND DIGITAL DISPLAY, **HEAVY DUTY TRUE RMS DMM**

Features:

569-HD160

- Drop and contamination proof
- Auto Min Max™ (autoranging)
 20A AC/DC current ranges Probe Hold^{TN}
- High energy, 10KV transient protection
- Durable electrical test lead set

Specifications:

\$219.95

- Operating temperature: -20° to +55°C
- DC voltage: 1V, 10V, 100V, 1000V AC 45Hz to 10KHz: 10V, 100V, 1000V
- AC/DC current: 10mA, 40mA, 10A, 20A Diode test: 2.25V @ 4.5mA

- Resistance range: 1K, 10K, 100K 1M, 10M, 40MΩ



3 1/2-DIGIT, HEAVY DUTY DMM

Designed for dependability under rugged industrial conditions. Built of tough, fire-retardant thermoplastic, with all sensitive components shock-mounted. Waterproof construction prevents dirt, grime, and moisture from entering the case and causing inaccurate readings or damaging shorts.

Features:

- · Completely sealed and environment proof meters
- VDC accuracies of 0.07 to 0.1%
- New continuity test with continuous tone
- Average sensing and true RMS models
- Temperature input

569-HD110T \$239.95





4-DIGIT, ANALOG AND DIGITAL **DISPLAY TRUE RMS DMM**

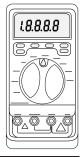
Features:

- (AC, AC+DC) reading
- 2MHz frequency counter
- Capacitance meter to 2000uF
- 0.01Ω resolution
- Intermittent detector
- Probe Hold™
- Auto Min Max™ (autoranging)
- 50ns nulse detector
- · Fiberoptic backlight
- 569-2030

Specifications:

- AC/DC voltage: 100mV, 1000mV, 10V, 100V, 1000V
- AC frequency: 45Hz to 400Hz; 3dB > 10KHz
- AC/DC current: 1000µA. 1
- 0mA, 100mA, 1000mA, 10A, 20A Resistance: 100Ω, 1000Ω, 10KΩ,
- 100KO 1000KO 10MO 20MO
- Capacitance ranges: 20nF, 200nF, 20µF, 20µF, 20µF, 20µF, 2mF

\$299.95



4-DIGIT, ANALOG AND DIGITAL DISPLAY DMM

- Large LCD with .78" high digits Shrouded test leads incorrect input jack warning, fully fused current input jacks
- High resolution: 4000 count,
 42 segment bargraph
- · Protective rubber boot with tilt
- stand and flex-strap
 Wavetek's exclusive "No Hassle"

Specifications:

- AC/DC voltage: 400mV, 4V, 40V, 1000VDC/750AC
- AC/DC current: 4mA, 40mA 400mA, 20A
- Resistance: 400, 4K, 40k, 400k, 4M, 40MΩ
- Capacitance ranges: 4nF, 40nF, 400nF, 4µF, 40µF

warranty		
MOUSER STOCK NO.	AC Conversion	Price Each
569-2005 569-2015	True RMS, AC coupled Average sensing, RMS indicating	159.95 179.95



PEN-TYPE DMM

Features:

- Autoranging4200 count resolution
- Probe Hold™
- Continuity test with beeper Measures to 300VAC.
- 500VDC, or to $2M\Omega$ Warranty: one year

Specifications:

- DC voltage: 300VAC voltage: 300V
- Resistance ranges: 420Ω,
 4.2kΩ, 42kΩ, 420kΩ, 4.2MΩ



569-DM73A \$69.95

3 1/2-DIGIT DISPLAY COMPONENT TESTER

This component testing instrument is an ideal complement to the Wavetek line of digital multimeters. A hand-held meter that is batteryoperated and equipped with test leads



. Inductance, capacitance, and resistance meter with dissipation





569-LCR55 \$179.95





Detects logic levels as narrow as 30ns @ up to 17MHz

- Switch selectable TTL or CMOS Signal input protected ±220VAC/DC for 15 seconds
- Input impedance 1MΩ
- Pulse memory

569-LP10A \$19.95





LOGIC PROBES

 Measures TTL, DTL, RTL, CMOS, NMOS, & MOS Detects logic levels as narrow as 30ns @ up to

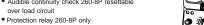
569-LP25A

Test Equipment, Tool Cases, and Vacuum

Jington 260 (SERIES 8) VOMS

Features:

- Excellent nulling and peaking
- · Large color coded scales
- AC frequency response to 100KHz · Varistor protected meter movement
- Zero RFI Mirrored scale parallax reduction
- Standard and high energy overload fusing
- Includes test leads and batteries
- Audible continuity check 260-8P resettable over load circuit





Specifications:

- Measures to: 1000VDC, 1000VAC, 10A AC/DC, X10K resistance
 Dimensions: 7" H x 5.5" W x 3.1" D Overload protection: (1) 1A.250V fuse and (1) 2A/600V fuse
- - Weight: 3 Lbs.

MOUSER	Description	Price Each		
STOCK NO.	Description		2	
529-260-8	Analog VOM-black	187.50	178.13	
529-260-8P	Analog VOM-black w/resettable overload protection	250.00	237.50	
529-00805	Carrying case (not illustrated)	63.25	60.09	
529-00043	Test leads with screw-on clips (not illustrated)	15.30	14.54	

G GREENLEE WIRE SORTER KIT

- Sorts up to 10 wires at a time
- Max. distance: up to 3 miles
- Ideal for one-man sorting
- Simplifies cable identification
- Indicates opens and shorts
 Portable 2-piece digital readout system
- · Complete with padded carrying case, leads, and 9V battery

 Size: 14" x 11" x 3"

586-5775VS

\$ 376.00









Locate and identify circuits, fuses, breakers, and wiring, even inside conduits or underground. trace the path with the hand held receiver.

Specifications:

Transmitter:

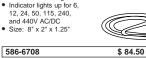
- Operating voltage: 9-300V @ 8mA
- Size: 2.75" x 2" x 1.5" Receiver
- Power: 9V battery (included)
- Size: 5.5" x 2.75" x 1"

586-2007 \$ 345.00

VOLTAGE AND CONTINUITY TESTER

Features:

- AC/DC switchless, dial free
- Automatic range selection
- Test resistance up to 300KΩ Triple-insulated cord
- 1 probe identifies hot side with light and buzzer (no
- ground needed) during continuity testing not damaged if accidental contact with voltage



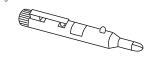


GREENLEE[®] VOLTAGE INDICATOR

- Senses presence of AC voltage without contact
- Audible and visual indicators
- Pocket clip acts as on/off switch

Specifications:

- Capacity: 50-500 VAC
- Power source: (2) No. 357 calculator or watch batteries (included)
- Size: 5 1/4" long
- Weight: 1 lb.



586-35952		\$ 19.00

G GREENLEE

SUBMERSIBLE POCKET LIGHT

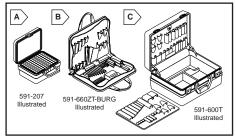
Features:

- Dimension: 4.75" x 6250
- Watertight to 500 feet
- Focused beam (Xenon lamp module) 400% brighter than ordinary pocket lights
- 2 AAA batteries included Made in USA
 - · Lifetime guarantee



MOUSER STOCK NO.	Description	Price Each
586-46500	Pocket flashlight	12.00
586-46534	Replacement O-ring	.25
586-46533	Replacement Xenon lamp	5.70

TOOL CASES



Blow Molded Cases

High-density polyethylene cases with double wall construction. Textured exteriors resist dents, cracking, and scuffs. Unaffected by extreme temperatures. The interiors utilize pre-cut cubed foam in the bodies and egg crate or foam pad in the lids. (See Figure A)

MOUSER	Dimen	Price	
STOCK NO.	O.D.	I.D.	Each
591-207	10.5 x 7 x 3	9.5 x 6 x 2.625	17.00
591-407	13.5 x 10 x 5.5	12.5 x 9 x 5.125	33.50
591-707	19 x 14 x 7.125	17.75x12.75x6.625	79.00

Black cordura. 14 interior sewn tool pockets and one pouch

MOUSER STOCK NO.	Fig.	Dimensions (In.)	Price Each
591-601ZT	В	10 x 7 x 2	47.00

Trouble Shooter

Burgandy cordura with two exterior meter pockets and one document pocket. Interior has 29 sewn tool pockets and one meter pouch.

FOA COOTE DUDO D 40 5 0 5 0		
591-660ZT-BURG B 12.5 x 9.5 x 2 86.0	0ZT-BURG B	86.00

Master Technician

Burgandy cordura with three exterior pockets. Interior has 47 sewn tool pockets and one meter pouch. Shoulder strap included

591-669ZT-BURG B	15 x 11 x 2	122.00
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Combo Tool and Attache Case

47 sewn tool pockets made of Neoluxe for durability. Attache side has pockets for files, manuals, etc. plus built in clipboard. Cordura nylon exterior with industrial zippers. Shoulder strap included.

591-679ZT	С	17 x 10 x 6	158.00
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Standard Polyethylene

Black HMW polyethylene exterior with durable molded ribbed shell. Extruded aluminum frame with cast key locks and molded handle. Interior body divider, literature pocket, and two molded pallets.

591-600T	С	18 x 13 x 6	156.00

Deluxe Polypropylene

Black, chemical resistant finish, with extruded aluminum frame, golf grip handle, cast chrome key locks, and full length piano hinge. Interior has two molded pallets, bottom divider and deluxe literature pocket.

MOUSER STOCK NO.	Fig.	Dimensions (In.)	Price Each
591-800T	С	18 x 13 x 6	174.00

Deluxe Polyethylene

Black, chemical resistant, with contemporary molded rib shell. Heavyduty, satin anodized aluminum frame with gasket, and full length piano hinge, cast key locks, and golf grip handle. Interior has two molded pallets, body divider and deluxe literature pocket

MOUSER STOCK NO.	Fig.	Dimensions (In.)	Price Each
591-906T	С	18 x 13 x 7	193.00

Heavy Duty Polyethylene

The exterior shell is tough impact resistant HMW polyethylene. Heavy duty aluminum rim with black trim and gasket, golf grip handle, cast chrome key locks, and full length piano hinge.

3-piece foam interior with pre-cut cubed foam layer over bottom cushion and convoluted foam in lid.

Includes telescoping handle and wheels.

MOUSER STOCK NO.	Fig.	Inside Dimensions (In.)	Body Depth (In.)	Price Each
591-221609H	С	22 x 16 x 9	5	264.00

3M ELECTRONICS VACUUM

A powerful unit for high efficiency clean up of most business equipment.

Features:

- 1 HP motor
- Stretch hose extends from 2" to 10' Comes complete with wand, crevice tool, crevice brush.
- dusting brush, needle nozzle, and Type 2 filter · Attachments and power cord store inside door of high
- impact plastic case





Replacement filters

Type 1 small particle: traps extremely fine particles in the range of .3-.5 microns from highly sensitive equipment. Type 2 medium particle: traps toner and dust from copiers, laser printers, and other office equipment.

MOUSER	Description	Price Each		
STOCK NO.	Description	1	5	
517-497AJM	Electronics vacuum	214.00	204.00	
517-SF1	Type 1 filter	30.28		
517-MF2	Type 2 filter	14.61		
517-CS1	Optional carrying strap	7.61	7.35	



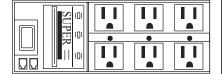


NEW THIS ISSUE NEW THIS ISSUE NEW THIS ISSUE NEW THIS ISSUE

SUPER SERIES SURGE SUPPRESSORS

Features:

- Effective and economical surge suppressors
- Models with up to 8 outlets
 Plus Tel and FM models feature RJ11 jacks to protect phone/modem/fax lines. Super 7 Coax features coax jacks for video protection
- Up to 96,000 amps of surge
- suppression with up to 1,200 joules • Up to \$15,000 Ultimate Lifetime Insurance



MOUSER	Outlets	Description	Ultimate	Price	Each
STOCK NO.	Oullets	Description	Coverage	1	2
545-MP	1	Spike / Noise protection for 1 data-	2 year	15.95	14.93
		line, direct plug in			
545-STIK	6	6 ft. power cord	Lifetime	21.21	19.28
545-STRIKER	6	4 ft. power cord, super 6	Lifetime	17.95	17.05
545-S7	7	7 ft. power cord, LEDs	\$5,000	23.77	22.49
545-S7TEL	6	7 ft. power cord, modem/fax	\$5,000	24.11	23.05
545-S7COAX	6	7 ft. power cord, coax jacks, LEDs	\$5,000	33.95	31.30
545-SK6-6	8	8 ft. power cord, LEDs	\$10,000	38.21	34.43
545-S8TEL	7	8 ft. power cord, modem/fax	\$10,000	50.96	47.88
545-SK6-0	6	Direct plug-in model	2 year	23.70	21.38
545-TSB	1	3 stage modem / fax line protection	2 year	49.95	46.66
545-TR6	6	6 ft. power cord, LEDs	\$15,000	53.95	45.36
545-TR6FM	6	6 ft. power cord, modem/fax	\$15,000	45.68	41.58

ISOBAR® ULTRA PREMIUM SURGE SUPPRESSORS

Features:

- · Superior surge, spike and RFI/EMI line noise protection

 • Diagnostic LEDs alert you to power

- problems before damage can occur Instantaneous surge response · Virtually-indestructible all-metal housing
- Suppresses up to 120,000 amp spikes, up to 1,500 joules
- Isotel models feature dual RJ11 jacks for complete modem/fax surge suppression
- \$25,000 Ultimate Lifetime Insurance



MOUSER	Outlets	Description		Price Each	
STOCK NO.	Outlets	Description	1	2	
545-SS008	4	6 ft. power cord, 2 filter banks, LEDs	80.95	73.11	
545-SS009	6	6 ft. power cord, 3 filter banks, LEDs	94.45	83.37	
545-SS010	8	12 ft. power cord, 4 filter banks, LEDs	105.25	95.25	
545-SS012	2	Direct plug in,2RJ11 Jacks, Isobar ultrafax	59.95	55.08	
545-SS013	6	6 ft. power cord, 3 filter banks, modem/fax	107.96	98.33	
		LEDs, Isotel 6 ultra			
545-ISTL8MULT	8	12 ft. power cord, 4 filter banks, modem/fax	121.46	110.30	
		LEDs, Isotel 8 multimedia			

ISOBAR® PREMIUM SURGE SUPPRESSORS

Features:

- Superior surge, spike and RFI/EMI
- line noise protection
- Instantaneous surge response Virtually-indestructible all-metal housing
 Suppresses up to 120,000 amps
- up to 1.350 ioules
- Exclusive Isotel filter banks eliminate interference between connected equipment
- Up to \$25,000 Ultimate Lifetime Insurance



MOUSER	Outloto	Outlets Description	Ultimate	Price Each	
STOCK NO.	Outlets	Description	Coverage	1	2
545-SS001	2	Direct plug-in Isobar	\$10,000	43.20	35.83
545-SS002	2	6 ft. power cord	\$10,000	53.96	49.25
545-SS003	4	6 ft. power cord, 2 filter banks	\$25,000	69.76	66.27
545-SS004	6	6 ft. power cord, Isobar 6	\$10,000	79.00	71.15
545-SS007	6	6 ft. power cord, 3 filter banks	\$25,000	62.95	58.14
545-IBAR8RM	8	12 ft. power cord, 4 filter banks	\$10,000	100.26	95.25
		remote on/off switch			
545-IBAR12	12	12 ft. power cord, rackmount Isobar	\$10,000	134.10	128.16
545-SS011	4	6 ft. power cord, 2 filter banks,	\$25,000	89.95	82.94

LAPTOP COMPUTER SURGE SUPPRESSOR

- Protects your laptop's AC and modem/fax lines to
- eliminate all surge pathways Modem/fax and telephone jacks make simultaneous connection of all communication devices possible
- RFI/EMI line-noise filtering improves connection quality and speeds
- LED indicates that all protection circuitry is working
 \$5,000 Ultimate Lifetime Insurance covers the SMP and all connected equipment against surge damage including direct lighting strikes



MOUSER STOCK NO.	Outlets	Description	Ultimate Coverage	Price Each	
	Outlets			1	2
545-SMP	1	450 joule rating	\$5,000	25.08	22.80

LAPTOP POWER SUPPLY

Features:

- . Plugs into your car's cigarette lighter, converting your car's battery power into clean, safe, household AC

 Ideal for laptop computers, fax machines, cellular
- phones, and other small electronic equipment Supplies 125 watts of continuous household AC power

MOUSER STOCK NO.	Outlets	Description	Price Each			
	Oulleis	Description	1	2		
545-PV-125	1	Supplies 125 watts of continuous AC power	80.00	75.00		

LINE CONDITIONERS

Features:

- · Multiple levels of voltage correction automatically adjust incoming power, converting it to acceptable, safe levels
- Keep electronic equipment working through brownouts and overvoltages
- Built-in surge, spike and line
- noise suppression
 Diagnostic LEDs show line integrity
- and voltage level
- Up to \$25,000 Ultimate Lifetime Insurance

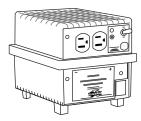


MOUSER STOCK NO.	Outlets	Description	Price Each
545-LS600	2	600 watts, low-voltage regulation only	92.75
545-LS604	4	600 watts, low/high voltage regulation	139.00
545-LC1200	4	1200 watts, Isobar protection	217.55
545-LC1800	6	1800 watts, Isobar protection	284.05
545-LC2400	6	2400 watts, Isobar protection	369.00
545-LCR2400	14	2400 watts, Isobar protection	409.00

POWER VERTER INVERTERS

Features:

- · Convenient, portable AC power
- Solid-state power inverters convert 12VDC battery power into 120VAC (60Hz)
- PowerVerter models economically operate most household appliances
- PowerVerter Plus (FC) models provide up to 200% of their rated output to power heavy start-up loads and are frequencycontrolled to work with sensitive equipment



MOUSER	Outlets	D	escription	Price	Each
STOCK NO.	Outlets		1	2	
545-PV200	1	200 watts	109.00	99.00	93.60
545-PV400	1	400 watts	159.00	149.00	135.00
545-PV400FC	2	400 watts	233.56	230.00	223.50
545-PV550	2	550 watts	229.00	219.00	207.00
545-PV750FC	2	750 watts	389.00	359.00	350.40
545-PV1200FC	2	1200 watts	599.00	549.00	538.50

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TRIPPLITE Power Conditioning Equipment

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BC PERSONAL AND BC INTERNET UPS SYSTEMS

- Complete protection against blackouts brownouts, surges, spikes, and EMI/RFI
- Smallest footprint, ultra-compact design
- Diagnostic LEDs alert you to UPS operating conditions
- Internet models feature RJ11 jacks for superior surge, spike, EMI/RFI protection on your internet connection
- \$25,000 Ultimate Lifetime Insurance for connected equipment



MOUSER	Outlets	Output	Backup Time 1/2	Weight	Price	Each
STOCK NO.	Outlets	VÁ	Load (min.)	(lbs)	1	2
545-200	2	200	28	11	103.55	97.47
545-280	2	280	17	12	122.50	111.72
545-BCINT280	2	280	15	12	130.15	127.55
545-420	4	420	17	14.5	166.25	158.27
545-500	4	500	28	19	217.55	209.48
545-BCINT675	4	675	17	20	284.05	267.33

OMNISMART LINE INTERACTIVE UPS SYSTEMS

- Automatic Voltage Regulation (AVR) keeps you working through brownouts/overvoltages without using battery power
- · Complete protection against blackouts, brownouts
- surges, spikes, and EMI/RFI line noise Includes PowerAlert Unattended Shutdown Software on CD-ROM and cabling for Windows 95 and most other operating systems

 • Diagnostic LEDs alert you to UPS operating
- condition, batterycharge and load status \$50,000 Ultimate Lifetime Insurance covers connected equipment

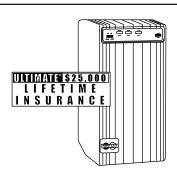


MOUSER	Outlets	Output	Backup Time 1/2	Weight	Price	Each
STOCK NO.	Outlets	VÁ	Load (min.)	(lbs)	1	2
545-OSMART280PNP	4	280	17	13	170.00	155.61
545-OSMART450PNP	4	450	17	15.5	284.00	256.69
545-OSMART675PNP	4	675	17	20.5	350.55	320.63
545-OSMART850PNP	4	850	21	28	445.55	403.80
545-OSMART1050PNP	6	1050	23	37	512.00	463.84
545-OSMART1400PNP	6	1400	21	44	616.55	558.14

BC PRO UPS SYSTEMS

Features:

- Complete protection against blackouts brownouts, surges, spikes, and EMI/RFI
- Network interface port (D89) allows automatic unattended shutdown of any operating system using PowerAlert software; SNMP manageable
- Diagnostic LEDs alert you to UPS operating conditions
- \$25,000 Ultimate Lifetime Insurance for connected equipment



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MOUSER	Outlets	Output	Backup Time 1/2	Weight	Price	Each
STOCK NO.	Outlets	VÁ	Load (min.)	(lbs)	1	2
545-450	4	450	17	14.5	189.00	180.00
545-550	4	550	24	19	246.05	227.43
545-675	4	675	17	20	284.05	267.33
545-850	4	850	21	26.5	366.80	352.45
545-1050	6	1050	23	35	426.55	396.34
545-1400 6		1400	24	41.5	540.55	501.41

SMARTPRO NET UPS SYSTEMS

Features:

- Multilevel line-interactive Automatic Voltage Regulation (AVR) lets you work through severe brownouts and overvoltages without using battery power Complete protection against blackouts, brownouts,
- surges, spikes, and EMI/RFI line noise
- Includes PowerAlert Plus software on CD-ROM for unparalleled network UPS management and control
- Diagnostic LEDs alert you to UPS operating condition, battery-charge and load status
- Rackmount (RM) models available
- \$50,000 Ultimate Lifetime Insurance covers connected equipment



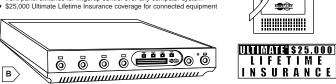
MOUSER	Outlets	Output	Backup Time 1/2	Weight	Price	Each
STOCK NO.	Outlets	VÁ	Load (min.)	(lbs)	1	2
545-SMART450NET	4	450	19	19	350.55	313.65
545-SMART700NET	4	700	20	28	445.55	402.23
545-SMART1050NET	6	1050	23	38	574.54	563.92
545-SMART1050RM	8	1050	23	44	711.55	670.00
545-SMART1400NET	6	1400	25	48	740.00	667.73
545-SMART1400RM	8	1400	26	53	901.55	853.58

INTERNET OFFICE UPS SYSTEMS

Features:

- 6 outlets (3 UPS and 3 surge-only) protect your entire computer setup-even laser and inkjet printers!
- Complete protection against blackouts, brownouts surges, spikes, and EMI/RFI line noise
- Dual RJ11 jacks provide superior surge, spike, EMI/RFI protection on your internet connection
- · Wide-spaced outlet configuration accepts bulky
- transformers without blocking remaining outlets
 Internet Office 420 LP features a low-profile, under-monitor housing with
- front-panel switches for fingertip control over any computer system

 \$25,000 Ultimate Lifetime Insurance coverage for connected equipment

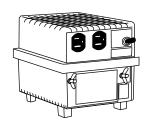


MOUSER	Fig.	Outlets	Output VA	Backup Time 1/2	Weight	Price Each	
STOCK NO.	rig. Outlets	Odilets		Load (min.)	(lbs)	1	2
545-IO325	Α	6	325	28	14	166.25	158.27
545-IO450	Α	6	450	17	16	179.55	172.90
545-IO420L	В	6	420	17	17	212.80	207.48

EXTENDED BACKUP UPS SYSTEMS

Features:

- "Peak Power" performance provides up to 200% of maximum power for short durations, giving adequate
- power to start AC motors and heavy inductive loads Modified sine wave output handles heavy inductive loads
- Use with BP-260 battery case and 98-121 batteries



MOUSER	Outlets	Output	Weight	Price Each		
STOCK NO.	Odilets	VÁ	(lbs)	1	2	
545-APS400	2	480	16	279.00	248.71	
545-APS750	2	900	20	458.00	408.31	
545-APS1250	2	1500	39	727.50	672.22	

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SL WABER Power Protection Equipment

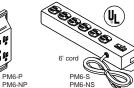
POWER MASTER® SURGE AND NOISE SUPPRESSORS

- Electrical rating: 15A 125VAC, 60HZ, 1875W, continuous duty Type cord: 14/3 SJT Case color: beige Rating per UL 1449: 400V (H-N)

- Modes of surge suppression: H-N, H-G, N-Ğ
- Max surge current: 4500A
- Clamping response time: <1 nS. Maximum energy dissipation: 90 joules (2x45)







MOUSER	No. of	Dimensions (In.)			Unit Shipping	Price Each				
STOCK NO.	Outlets	Length	Width	Height	Weight	1	5	10	25	
554-PM1	1	1.38	1.38	2.0	2 oz.	9.95	9.45	7.47	Call	
554-PM1-N	1	1.38	1.38	1.25	2 oz.	14.95	14.20	11.25	For	
554-PM6-P	6	4.84	3.312	1.25	7 1/2 oz.	16.95	16.10	12.72	Quote	
554-PM6-NP	6	4.84	3.312	1.25	7 1/2 oz.	17.95	17.05	14.58	Quote	
						1	6	12	24	
554-PM6-S	6	13.25	2.375	1.50	2 1/2 lbs.	19.95	18.95	18.04	Call	
554-PM6-NS	6	13.25	2.375	1.50	2 1/2 lbs.	23.98	22.78	21.58	Ouii	

POWER MASTER® WHOLE HOUSE SURGE ARRESTER

- Electrical rating: 15A, 120/240VAC, 60Hz
- Max energy dissipation: 275 joules/phase Max surge current: 26,500A
- Case color: beige Clamp response time: <1 nS



DATAGARD® SERIES

- Protection: 15A circuit breaker
- 3 line voltage surge protection
- Ensures that equipment is isolated from ransients on all incoming power lines
- Rating per UL 1449: 400V
- Modes of surge suppression: H-N, H-G, N-G
- Max surge current: 6500A
- Maximum energy dissipation: 210 joules (3x70)
 Lifetime warranty



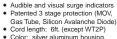
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MOUSER	No. of	Type	Surge	Modes of Noise	Р	rice Eac	:h
STOCK NO.	Outlets	Туре	Indication	Rejection	1	6	12
554-DG204	4	Strip w/6' cord		None	24.95	23.70	19.75
554-DG206	6	Strip w/6' cord		None	29.95	28.95	23.72
554-DG115-SI	6	Strip w/6' cord	Visual	Transverse	49.95	47.45	39.55
554-DG315-SA	554-DG315-SA 6 Strip w/6' co		Audible	Transverse &	69.95	66.45	58.25
				Common			

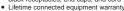
WAVE TRACKER™ NOISE AND SURGE FILTER

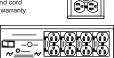
- Maximum ratings: 15A, 125VAC, 60Hz
- Load: 1875W continuous
- Maximum surge voltage: 6,000V Clamping response time: 1 psec. (typ.) Operating temperature: -13°F to 140°F

- Circuit breaker: 15A UL 1449 rating: 330V
- Modes of protection: H-N, H-G. N-G
- Power cord: SJT 14/3 Noise frequency: 150KHz to 100MHz
- Noise rejection: transverse and common
 NEMA 5-15 plug and receptacles
- Exceeds ANSI/IEEE C62.41-1980



Color: silver aluminum housing, black receptacles, end caps, and cord





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* Offers telecommunication line protection (RJ11)

Two full-time "surge only" protected receptacles for laser printers

	MOUSER	Eia	No. of		Noise F	iltration		Max. Energy Dissipation	Max. Surge Current	Price
	STOCK NO.	Fig.	Outlets	1st	2nd	3rd	4th	(H-N)	(H-N)	Each
	554-WT2P	Α	2	75dB				485J	33,025A	59.95
	554-WT4	В	4	75dB	100dB			555J	39,525A	94.95
¢	554-WT4M	В	4	75dB	100dB			555J	39,525A	114.95
	554-WT6	В	6	75dB	100dB	110dB		625J	46,025A	114.95
	554-WT8	В	8	75dB	100dB	110dB	125dB	695J	52,525A	129.95

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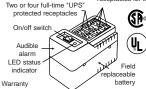
UPS SYSTEMS

- Protection against blackouts.
- brownouts, and high line conditions

 User replacement batteries
- Full recharge time ≤ 2 hours
- Automatic self-testing

Field Replacement Batteries:

- 554-BP250 for 554-PH250
- 554-BP500 for 554-PH500





z yeai/\$25,000 Connec	sted Equipment Warranty		
MOUSER STOCK NO.	Description	Weight (Lbs.)	Price Each
554-PH250 554-PH500	250 VA, 4 outlet (2 "UPS", 2 "surge only") 500VA, 6 outlet (4 "UPS", 2 "surge only")	7 12	149.00 299.00

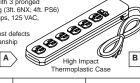
ECONOMY WABERSTRIP® SERIES OUTLET STRIPS

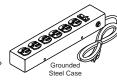
. Double insulated cord with 3 pronged insulated grounding plug (3ft. 6NX; 4ft. PS6) Maximum rating: 15 amps, 125 VAC.

60Hz, 1875 watts Warranty: 2 years against defects in materials and workmanship



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MOUSER	Fig. Color		Master Switch	Price Each				
STOCK NO.	Fig.	. Color	with Pilot LT	1	6	12	24	
554-PS6	Α	Beige	No	7.99	7.59	6.82	Call	
554-6NX	В	Beige	No	7.95	7.55	6.59	Call	

MULTIPLE OUTLET STRIPS

- Maximum rating: 15A, 125VAC, 60Hz 1875 W, continuous duty
- Outlets: "U" Ground
- · Seamless steel case with baked-on finish
- Power cord: 14/3 SJT, molded plug





Compact Series

- rd length: 6'

	- Cold length. 0 - Size. 6 3/4 E X 2 3/6 W X 1 1/2 11 1 of quantities greater than listed, can for quote.									
	MOUSER	No. of	Master Switch	witch Circuit Case		Price Each				
	STOCK NO.	Outlets	with Pilot LT	Breaker	Color	1	6	12		
†	554-4SPDX-6	4	Yes	Yes	Beige	13.95	13.25	12.50		
	554-602	5	No	No	Gray	14.46	13.74	13.45		
*	554-UL602CB-6	5	No	Yes	Blue	21.82	20.73	20.30		
	554-603CB	4	No	Yes	Gray	18.63	17.70	17.31		
*	554-UL603CB-6	4	No	Yes	Blue	20.66	19.63	19.18		
	554-UL605CB-6	3	Yes	Yes	Blue	23.50	22.33	21.87		

Mid Length Series

- Cord length: 6' • Size: 13 1/4" L x 2 3/8" W x 1 1/2" H
- 554-6SPDX-6 Beige 15.95 15.15 554-UL24CB-6 Yes 27.14 Yes Blue 26.59

90° Design

* 554-UL24RA-6	6	Yes	Yes	Blue	29.74	28.25	27.71

TRIMLINE SERIES



- Outlets: "U" ground
- Maximum rating: 15A, 125VAC, 60Hz, 1875W. continuous duty
- Power cord: 14/3 SJT, molded plug Cord length: 6 feet
- · Case color: blue
- Protection: circuit breaker
- * Includes mounting tabs

MOUSER	No. of	Dim	ensions	(ln.)	Key Hole-Slot	Р	Price Each 1 6 12			
STOCK NO.	Outlets	L*	W	Н	Mtg. Centers	1	6	12		
554-UL7208-6	8	25	2	1	22 15/16	43.14	40.98			
554-UL7408-6	8	49	1 1/2	1 3/8	46 15/16	50.90	48.36	Call		
554-UL7415-6	15	49	1 1/2	1 3/8	46 15/16	59.78	56.79	For		
554-UL7610-6	10	73	1 1/2	1 3/8	70 15/16	60.85	57.81	Quote		
554-UL7619-6	19	73	1 1/2	1 3/8	70 15/16	70.95	67.40			
					•					

PERMANENT MOUNTING SERIES Designed for Fixed Installation

- Sizes: 3', 4', 5', 6', lengths x 1 19/32W" x 1 3/8"H Maximum rating: 15A, 125VAC, 60Hz, 1875W,
- continuous duty
- Outlets: "U" ground, beige Case: fabricated with baked-on beige finish
- 1/2" concentric knockouts on each end
- Back cover mounting holes 3/16" dia. Wire nuts and self-tapping screws for attachment of top assembly to back
- mounting cover is provided

MOUSER	No. of	Length	Outlet	No. of Mounting	Price Each		h
STOCK NO.	Outlets	(Ft.)	Centers (In.)	rs (In.) Holes	1	6	12
554-4305	5	3	7	2	31.55	29.97	
554-4309	9	3	3-1/2	2	34.40	32.68	
554-4407	7	4	7	3	39.28	37.32	Call
554-4413	13	4	3-1/2	3	43.00	40.85	For
554-4508	8	5	7	3	40.78	38.74	Quote
554-4515	15	5	3-1/2	3	47.00	44.65	
554-4610	10	6	7	3	45.22	42.96	
554-4619	19	6	3-1/2	3	56.32	53.50	

CORDGARD

- Provided with optional double-faced adhesive tape · Ribbed slots on bottom prevent movement on carpet
- Can be easily trimmed to exact lengths
- · Use indoors or outdoors
- · Made of tough, flexible vinyl
- Channel pre-slit for easy cord insertion
 Accepts cord diameter up to 7/16" diameter (14/3 SJT cord)



MOUSER	Color	Length		Price	Each	
STOCK NO.	Color	(Ft.)	1	4	6	12
554-G6-BE	Beige	6	16.95	13.43	11.85	
554-G6-BR	Brown	6	16.95	13.43	11.85	0-11
554-G15-BE	Beige	15	31.95	28.15	25.80	Call
554-G15-BR	Brown	15	31.95	28.15	25.80	For
554-G50-BE	Beige	50	106.95	87.20	79.93	Quote
554-G50-BR	Brown	50	106.95	87.20	79.93	



