

AUTOMATION AND ROBOTICS

RECOMMENDED PRODUCTS FROM SGS-THOMSON

POWER SUPPLY

Type	Description	Function
L78xx L79xx L78Mxx LM317 LM317MDT LM323 LM337 LM338K LM350K L78Sxx L78Lxx LM723	1.5A Series TO-220/Isowatt 220/TO-3 1.5A Series TO-220/Isowatt 220/TO-3 0.5A Series TO-220/Isowatt 220/DPAK/SOT194/SOT82 1.5 Adj TO-220/Isowatt 220/TO-3/SO8/TO92/TO39 0.5A Adj DPAK 3A fixed TO-3/TO-220 1.5A Adj TO-220/TO-3/TO-39 5A Adj TO-3 3A Adj TO-3 2A Series TO-220/TO-3 100mA Series TO-92/SO-8 0.15A Adj DIP-14	Conventional Regulators
L4940Vxx L4941 LFxx LExxA/C LK115Dxx LD1117xx L4931	1.5A Series TO-220 1A fixed 5V TO-220 0.5A Series TO-220/Pentawatt/DPAK/PPAK/SO-8 100mA Series TO-92/SO-8 100mA Series SO-8 800mA Series TO-220/DPAK/SOT/223 300mA Series SO-8	Low Drop Regulators
TLL31 MC1403	2.5V Shunt Reference 2.5V Serial Reference	Voltage Reference

SEE MEMORY PRODUCTS SELECTOR FOR RECOMMENDED MEMORIES

AUTOMATION AND ROBOTICS	
A	OTP Memory - 5V range
E	UV EPROM - 5V range
G	FLASH Memory - Dual supply 5V/12V
I	FLASH Memory - Dual supply 5V only
L	SPI bus - 2 Mhz
P	Parallel EEPROM - 5V range
Q	ZEROPOWER - Battery backed SRAM monolithic types
R	ZEROPOWER - Battery backed SRAM module types
S	TIMEKEEPER - Battery backed SRAM with clock/calendar
T	SNAPHAT - Battery and battery/crystal
U	Very fast SRAM - 5V range
V	Very fast SRAM - 3.3V range

POWER SUPPLY (Cont'd)

Type	Function
L296 L4960 L4962 L4963 L4964	DC-DC Converters
L4941B L4940V (Series)	Very Low Drop V-Reg
GS-R400 Family GS-R400/2 Family GS-R51212 GS100T300 Family GS175T48 Family	Switching DC-DC converters & voltage regulators. Single & multiple outputs.
SG3524 SG3525A SG3527A UC3842/3/4 A/B TEA5170 TEA2260	SMPS Controller
L4990	1MHz PWM Controller
TYP TSP	CROWBAR PROTECTION SCR
BUF420A BUF460A ESM3045F/V ESM6045F/V STF8045AF/V	450, 30A Transistor in TO218 450, 80A Transistor in Isotop 450, 24A Darlington in Isotop 450V, 80A Darlington in Isotop 450V, 100A Darlington in Isotop
SGSIF444 BYW29-200	1200 V Isowatt 218 Fast diode 8A. 35 ns
BYW51-200 BYT12 PI-1000 STPS STPR	2x10A, 35 ns Diode 12A, 600V, 50 ns Diode Power Schottky Diode FRED diodes
BTA06-600SW BTA08-600SW	Sensitive Triac
TL77XXA	Undervoltage Supervisor
MDS35/50/80 MSS40/50	800 to 1200V Diodes/SCR in Isotop 800 to 1400 V SCR/SCR in Isotop

Additional products: see next page



APPLICATION COMPASS

AUTOMATION AND ROBOTICS

RECOMMENDED PRODUCTS FROM SGS-THOMSON

ACTUATOR DRIVE

Type	Function
L601C-4C L702 L9222 TDE1737 TDE1747 L6201/2 L6203 L6221A VN20AN VN02AN VN330/40SP TDE1897/8 L6xxx	Relay and Lamp-Drivers
PBL3717A MC3479C L293DD L298	Stepper Motor Drivers
GS-D200 GS-D050 GS-D200S GS-D200M GS-D350M GS-D500A GS-D550	Stepper Motor Driver Module
L290/1/2 L293DD L298 L272	DC Motor Drivers
L294 L295	Needle Driver Hammer Drivers
TDB7910N	Power Stage Op-Amp
TD300/310	Triple MOS/IGBT Driver

DISPLAY DRIVERS

Type	Function
M5450B7	34 Segments LED Driver
M5451B7	35 Segments LED Driver
M5480B7	23 Segments LED Driver
M5481B7	14 Segments LED Driver
M5482B7	15 Segments LED Driver

CENTRAL CONTROLLERS

Type	Function
IMST225	16-bit Transputer
IMST400	32-bit Transputer (low cost)
IMST425	32-bit Transputer
IMST805	32-bit Transputer + FPU
Peripherals	
IMSC011	link adaptor
IMSC012	link adaptor
IMSC004	link switch + software
SOFTWARE + BOARDLEVEL PRODUCT	

BATTERY MANAGEMENT

Type	Function
ST621X	2K ROM/EPROM, 8-bit MCU, A/D Converter
ST622X	4K ROM/EPROM, 8-bit MCU, A/D Converter
ST626X	4K ROM/EPROM, 8-bit MCU, EEPROM, AR Timer, A/D converter
ST624X	4/8K ROM/EPROM, 8-bit MCU, EEPROM, LCD segments drive
ST628X	8K ROM/EPROM, 8-bit MCU, EEPROM, LCD dot matrix drive

MOTOR DRIVE

Type	Function
SGSD100 BDW93C	High Current Darlington
BUR50S BUT90 BUV20 BUV60	High Current Transistors
BUT13P	High Voltage Darlington
BUV48/A/C BUX98/A/C BUX98P	High Voltage Transistors
BUF405/A BUF410/A BUF420/A	ETD
BUV98A/A/C BUV298AV ESM3030DV ESM3045AV ESM4045DV L6221AS ESM5045DV ESM6045DV	High Power in Isotop Package
BYT12PI-1000 BYT30P-400 BYT230PIV-400	12A, 1000V. 50 ns, Diode 30A. 75 ns, Diode 2x30A. 75 ns, Diode

Additional products: see next page



AUTOMATION AND ROBOTICS

RECOMMENDED PRODUCTS FROM SGS-THOMSON

INDUSTRY LINE STANDARD

Type	Function
MC1488 MC1489 MC1489A	Receiver and Drivers RS232
ESM1600B ESM1602B	Quadruple Comparator
ITA25/XX ESDAXX DAXX	Protection

PROTECTION

Type	Function
BZW04 ... BZW06 ... BZW50 ... P6KE ... 1.5KE ...	400 W Transil 600 W Transil 5KW Transil 600 W Transil 1500 W Transil
SM4T ... SM6T ... SM15T ... SMLVT3V3	400 W SMD Transil 600 W SMD Transil 1500 W SMD Transil 600 W SMD Transil

INPUT INTERFACE

Type	Function
L6372	Octal Input Interface

PERIPHERAL AND SUPPORT DEVICES

Type	Function
IMSC011 IMSC012 IMSC004	Link adaptor Link adaptor Link switch

CENTRAL CONTROLLERS

Type	Function
IMST222/225 IMST400 IMST425 IMST 800/T805	16-bit Transputer 32-bit Transputer (low cost) 32-bit Transputer 32-bit Transputer + FPU

ANALOG SIGNAL PROCESSING

Type	Function
TS27X TS37X TS393 TS339 TS55X TS335 TS3V902 TS3V912 TS3V904 TS3V914 MC1403	CMOS Op-Amps CMOS Comparators CMOS Comparators CMOS Comparators CMOS Timer Temperature Sensor Dual rail to rail Op-Amps Dual rail to rail Op-Amps Quad Rail to Rail Op. Amp. with Stand By Quad Rail to Rail Op. Amp. 2.5V Serial Reference

POWER CONTROLLER & MOTOR DRIVE MODULES

Type	Function
GS-D200 GS-D200S	2.0 A Chopped Bipolar Stepper Motor Driver 2.5 A Chopped Bipolar Stepper Motor Driver Fully protected outputs
GS-D200M GS-C200	2.5 A Microstep Driver Programmable Intelligent Stepper Motor Controller with 25 different Commands
GS-C200S	Programmable Intelligent Stepper Motor Controller with 29 different Commands

POWER CONTROLLER & MOTOR DRIVE BOARDS

Type	Function
GS-D250M GS-D350M GS-D500A GS-D550	2.5 A Microstep Motor Driver Board 5.6 A Microstep Motor Driver Board 5 A Step & Microstep Drive Board 5.6 A Chopped 2 and 5 Phases Stepper Motor Driver Board
GS-DC200	Board with a GS-C200 Controller and a GS-D200 Driver
GS-DC200S	Board with a GS-C200 Controller and a GS-D200S Driver
GS-DC200SS	Board with a GS-C200S Controller and a GS-D200S Driver

Additional products: see next page



AUTOMATION AND ROBOTICS

RECOMMENDED PRODUCTS FROM SGS-THOMSON

ADD-IN BOARDS + IQ SYSTEM TRAMs

Type	Function
IMSB008	IBM PC XT/AT Motherboard for TRAMs
IMSB014	VME bus board slave
IMSB016	VME bus board master
IMSB018	TRAM Motherboard VME Style
IMSB300	Ethernet BOX
IMSB404	TRAM 2MB DRAM + Transputer
IMSB411	TRAM 1MB DRAM + Transputer
IMSB415	Differential link DRAM
IMSB416	TRAM 64K SRAM + Transputer
IMSB422	SCSI-TRAM
IMSB426	TRAM 4MB DRAM + Transputer
IMSB430	Prototype TRAM
IMSB431	ETHERNET TRAM
IMSB433	Tram 16MB DRAM + Transputer

