POINT OF SALE TERMINALS

RECOMMENDED PRODUCTS FROM SGS-THOMSON

POWER SUPPLY

Type	Description	Function
L78xx	1.5A Series TO-220/Isowatt 220/TO-3	
L79xx	1.5A Series TO-220/Isowatt 220/TO-3	
L78Mxx	0.5A Series TO-220/Isowatt 220/DPAK/SOT194/SOT82	
LM317	1.5 Adj TO-220/Isowatt 220/TO-3/SO8/TO92/TO39	
LM317MDT	0.5A Adj DPAK	
LM323	3A fixed TO-3/TO-220	Conventional
LM337	1.5A Adj TO-220/TO-3/TO-39	Regulators
LM338K	5A Adj TO-3	
LM350K	3A Adj TO-3	
L78Sxx	2A Series TO-220/TO-3	
L78Lxx	100mA Series TO-92/SO-8	
LM723	0.15A Adj DIP-14	
L4940Vxx	1.5A Series TO-220	
L4941	1A fixed 5V TO-220	
LFxx	0.5A Series TO-220/Pentawatt/DPAK/PPAK/SO-8	Low Drop
LExxA/C	100mA Series TO-92/SO-8	Regulators
LK115Dxx	100mA Series SO-8	
LD1117xx	800mA Series TO-220/DPAK/SOT/223	
L4931	300mA Series SO-8	
TL431	2.5V Shunt reference	Voltage Reference
MC1403	2.5V Serial reference	

SEE MEMORY PRODUCTS SELECTOR FOR RECOMMENDED MEMORIES

POINT OF SALES TERMINAS	
A	OTP Memory - 5V range
G	Flash Memory - Dual supply 5V/12V
I	Flash Memory - Dual supply 5V only
U	Very fast SRAM - 5V range
V	Very fast SRAM - 3.3V range
W	Smartcard products memories
X	Memories with security
Y	Memories with MCU

POWER SUPPLY (Cont'd)

Type	Function
L296	
L4960	
L4962	High-current DC-DC converters
L4963	
L4964	Very low Drop V-Reg.
L4941	
L4940V (Series)	
L4990/A	
SG3524	
SG3527A	SMPS
UC3842/3/4/5 A/B	Controller
TEA2260	
TEA5170	
TL77XX	Under Voltage Supervisor
LM334N/D	Adjustable Current Source
LM336	2,5 Voltage Reference
AVS8/10/12/20	Automatic Voltage Switch
BUX12	BIPOLAR Transistors
BUV22	
BUR50S	
SGSIF461/463	Off-Line Switching
SGSF341	
SGSF324	
SGSF344	
SGSIF444	
BUF405/A	ETD Transistors
BUF410/A	
STH15NA50/FI	500 V to 1000 V
STW20NA50	POWER MOS
STH11NA50/FI	
STH9N80/FI	
STH7NA80/FI	
BTP6NA80/FI	
STH6N100/FI	
BYW29-200	Ultrafast rectifier
STPS	Power Schottky Diode Series
STPR	FRED Diodes Series
GS-R400 Family	
GS-R400/2 Family	Switching DC-DC converters
GS-R51212	& voltage regulators modules
GS100T300 Family	Single & multiple outputs
GS175T48 Family	

ST

APPLICATION COMPASS

POINT OF SALE TERMINALS

RECOMMENDED PRODUCTS FROM SGS-THOMSON

POWER/MOTOR CONTROL

Type	Function
BU931P/PFI BUF420/FI BUF420A BUV18/19 BUW38/39 2N6673	Power BIP
SGSD00030 BUV48AFI BUV48CFI BUX98A BUX98C BUR51	Power BIP
BYT08P600 BYT12P 600	Fast Rectifiers
IRF520 IRF540FI BUZ72A IRF540 STP40N10/FI STP33N10/FI IRF540/FI STK17N10 STP20N10 STK14N10	100 V POWER MOS

ANALOG SIGNAL PROCESSING

Type	Function
TS27XX TS37XX TS393 TS339 TS55X	CMOS Op-Amps CMOS Comparators CMOS Timers
TS3V9XX MC1403	Rail ro rail Op. Amp. 2.5V Serial voltage ref.

DISPLAY DRIVERS LED DRIVERS

Type	Function
M5450	34 Segments
M5451	35 Segments
M5480	23 Segments
M5481	14 Segments
M5482	15 Segments

ACTUATOR AND MOTOR DRIVE

Type	Function
ULN2001-5 ULN2064-68-74 L702	Relay Driver
TDE1737 TDE1747 TDE1798 TDE1767 TDB7910	Low Side/High Side High Side Drivers

MOTOR DRIVERS

Type	Function
L272 L298 L292 L293DD	DC Motor
MC3479C PBL3717A L293DD-L6221AD L702 TEA3717DP TEA3718DP L6221AS L6219 L6201/2/3	Stepper Motor
L297	Stepper Motor Controller
GS-D050 GS-D200	Stepper Motor

SMART/CARDS

Type	Function
L6605	Interface

DATA COMMUNICATION

Type	Function
MC1489P MC1489AP	RS232 Receiver
MC1488P	RS232 Driver
BFR36 2N5109	Small-Signal Transistor
ITA25B3/B4	RS232/422 Protection
DA... ESDA... ITA... TPN3021	Diode array for high speed protection RS232/422 port protection Centronics protection RS485 crowbar protection

Additional products: see next page

POINT OF SALE TERMINALS

RECOMMENDED PRODUCTS FROM SGS-THOMSON

SINGLE CHIP CONTROLLERS

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
ST902X	12/16K ROM/EPROM, 8/16 bit MCU, SPI+SCI, 32/36 I/Os
ST903X	8/16K ROM/EPROM, 8/16 bit MCU, SPI+SCI, A/D Converter
ST904X	16K ROM/EPROM, 8/16 bit MCU, SPI+SCI, EEPROM, A/D Converter
ST90R50	ROMless, 8/17 bit MCU, SPI+SCI, 3 Timers, A/D Converter
IMS T225	16-bit Transputer
IMS T400	32-bit Transputer (Low cost)
IMS T425	32-bit Transputer

PERIPHERALS

Type	Function
IMSC011	Link adaptor
IMSC012	Link adaptor
IMSC004	Link switch