

DATA LOGGERS

RECOMMENDED PRODUCTS FROM SGS-THOMSON

PRINT HEAD HAMMER DRIVE

Type	Function
ULN2003A ULN2064B ULN2068B ULN2074B L702N/A L6221AS	High Current Darlington Drivers
L9222	Medium Current Low Saturation Transistor Array
L6504	Controller
BDX53 BDX54 Series BDW93 & BDW94 Series TIP140T Series IRF530	Darlington in TO-220 Power MOS
SGS120 Series L294 L295	Darlington in SOT-82 Switching Mode Solenoid Drivers

SEE MEMORY PRODUCTS SELECTOR FOR RECOMMENDED MEMORIES

DATA LOGGERS	
A	OTP Memory - 5V range
B	OTP Memory - 3.3V +/- 10% range
G	FLASH Memory - Dual supply 5V/12V
H	FLASH Memory - Dual supply 3.3V/12V
I	FLASH Memory - Dual supply 5V only
J	Serial EEPROM I ² C Bus - 2 wire 100 KHz
K	Serial EEPROM I ² C Bus - 2 wire 400 KHz
L	SPI bus - 2 Mhz
N	Dedicated EEPROM
O	Parallel EEPROM - 3V range
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

MOTOR DRIVER FOR - PAPER ENTRANCE - CARRIAGE - RIBBON

Type	Function
PBL3717A L6201/2/3 L6204 L6219 L298 TEA3717 TEA3718 L6221AS	Stepper Motor Drivers
GS-D200 GS-D200S GS-D200M GS-C200 GS-C200S	Stepper motor driver modules and controllers
BDX53 BDX54 Series BDW93 & BDW94 Series TIP140T Series IRF530/FI IRF540/FI	Darlington in TO-220 Power MOS
SGS120 Series L297 L290-1-2 L293DD L298 L272	Darlington in SOT-82 Stepper Motor Controllers DC Motor Drivers

INSTRUMENTATION BUS

MC1488 MC1489	Receiver and Drivers
DA... ESDA ... ITA ... TPN3021	Diode array for high speed protection RS232/422 port protection Centronics protection RS485 crowbar protection

DISPLAY-DRIVERS

LED-Drivers	
M5450 M5451 M5480 M5481 M5482	34 Segments 35 Segments 23 Segments 14 Segments 15 Segments
Analog Signal Processing	
TS27XX TS37XX TS393 TS339	CMOS Op-Amp. CMOS Comparators
TS55X	CMOS Timers
TS3V902 TS3V912 TS3V904 TS3V914	Dual Rail to Rail Op. Amp. with Stand By Dual Rail to Rail Op. Amps. Quad Rail to Rail Op. Amp. with Stand By Quad Rail to Rail Op. Amps.

Additional products: see next page



DATA LOGGERS

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
TL431 MC1403	2.5V Shunt reference 2.5V Serial reference	Voltage Reference

POWER SUPPLY (Cont'd)

Type	Function	
L296 L4960 L4962 L4964 L4963 L4974A L4972A	4A Switching Regulator 2.5A Switching Regulator 1.5A Switching Regulator 4A Switching Regulator 1.5A Switching Regulator 3.5A Switching Regulator 2A Switching Regulator	DC-DC Converter
GS-R400 Family GS-R400/2 Family GS-R51212 GS100T300 Family GS175T48 Family	Switching DC-DC converters & voltage regulators modules Single & multiple outputs	

POWER SUPPLY (Cont'd)

Type	Function
AVS8/10/12	Automatic Voltage Switch
SG3524 SG3525A SG3527A TEA2164 TEA5170 TEA2260 TEA2018A/19 UC3842/3/4/5A-B L4990/A	SMPS Controllers
BUF405A BUF410A SGSF443 SGSIF443 SGSF463 SGSIF463 STHV102	1000 V ETD 1000 V Fast- switch/Isol. Pack 1000 V Power MOS
SGSIF444 BYT12PI-1000 STTA3006P STTA6006TV1 BYW29-200 BYW51-200 STPS STPR	1200 V Isowatt 218 12 A 1000V, 50ns Diode 30A, 35ns 2x30A, 35ns 8A, 35ns Diode 2x10A, 35ns Power Schottky Diode FRED Diode
TL77XXA TYP TYP	Undervoltage Supervisor Crowbar Protection



DATA LOGGERS

RECOMMENDED PRODUCTS FROM SGS-THOMSON

CENTRAL 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, 8/16 bit MCU, SPI+SCI, 3 Timers, A/D Converter

PERIPHERAL

Type	Function
IMS C011	Link adaptor
IMS C012	Link adaptor

PROTECTION

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

MEMORIES EPROMS

Type	Function
M2716	16K NMOS UV EPROM
M2732A	32K NMOS UV EPROM
M/ST2764	64K NMOS EPROM UV/OTP
M/ST2764	128K NMOS EPROM UV/OTP
M/ST27256	256K NMOS EPROM UV/OTP
M27C64A	
M87C257	256 CMOS UV EPROM (LATCHED)
M27C512	512K CMOS UV EPROM
M27512	512K bit NMOS EPROM
M27C1024	1 Meg X8 CMOS UV EPROM
M27C1001	1 Meg X8 CMOS UV EPROM
M27C2001	2 Meg X8 CMOS UV EPROM
M27C4001	4 Meg X8 CMOS UV EPROM
M27C4002	4 Meg X16 CMOS UV EPROM
CMOS ZEROPOWER SRAMs	
MK148Z12	2Kx8 ZEROPOWER w/4.50V WP INDUSTRIAL
MK48Z08	8Kx8 ZEROPOWER w/4.75V WP
MK48Z18	8Kx8 ZEROPOWER w/4.50V WP
MK48Z09	8Kx8 ZEROPOWER w/PF 1 & 4.50V WP
MK48Z19	8Kx8 ZEROPOWER w/PF1 & 4.50V WP
MK48T08	8Kx8 TIMEKEEPER
CACHE TAGRAMs	
MK48S80N25	8Kx8 25ns PSDIP28
MK48S74X25	8Kx8 25ns SOJ28
MK48S80X25	8Kx8 25ns SOJ28

Additional products: see next page

