

PROFESSIONAL/PERSONAL COMPUTERS

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

SEE MEMORY PRODUCTS SELECTOR FOR RECOMMENDED MEMORIES

PROFESSIONAL/PERSONAL COMPUTERS	
A	OTP Memory - 5V range
B	OTP Memory - 3.3V +/- 10% range
C	OTP Memory - 2.7V to 3.6V range
D	OTP Memory - ROM compatible
E	UV EPROM - 5V range
F	UV EPROM - ROM compatible
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 I2C Bus - 2 wire 100 KHz
K	Serial EEPROM I2C Bus - 2 wire 400 KHz
M	MICROWIRE bus - 1 Mhz
N	Dedicated EEPROM
O	Parallel EEPROM - 3V range
P	Parallel EEPROM - 5V range
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
Y	Memories with MCU

POWER SUPPLY (Cont'd)

Type	Function
TDA8134 TDA8135 TDA8136 TDA8137 TDA8138 TDA8139	Dual Regulators
L4941 L4940V (Series) L296 L4960 L4962 L4963D L4964	Very Low Drop V-REG DC-DC Converter
SG3524 SG3525 SG3527 UC3842/3/4/5 A-B TEA5170 TEA2260	SMPS Controller
TL77XX Series	Undervoltage Supervisors
GS-R400 Family GS-R400/2 Family GS-R51212 GS100T300 Family GS175T48 Family	Switching DC-DC converters & voltage regulators modules Single & multiple outputs
BUF405A BUF410A STHV102 BYW29-200 BYW51-200 STPR ESM765-800 TYN TYP	1000 V Transistors 1000 V Transistors 1000 V Power MOS Diodes 8/20A, 35ns FRED Diodes 10A, 800V, 300ns, Diode Overvoltage Protection
STPS	Power Schottky Diode
AVS8/10/12/20	Automatic Voltage Switch



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CENTRAL CONTROLLERS

Type	Function
COPROCESSORS	
IMST225	16-bit Transputer
IMST400	32-bit Transputer (Low cost)
IMST425	32-bit Transputer
IMST805	32-bit Transputer + FPU
IMST9000 + Software	32-bit Transputer
PERIPHERALS AND SUPPORT DEVICES	
IMSC011	Link adaptor
IMSC012	Link adaptor
IMSC004	32 way Link switch

BATTERY & POWER 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

COMMUNICATION INTERFACE

Type	Function
MC1488 MC1489 MC1489A	Receivers and Drivers RS232
ITA25B3/B4 ESDA6V1S3 SMLVT3V3	ESD Protection 5V Protections

PROTECTION

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

MULTIMEDIA

Type	Function
STI3400 STI4500	MPEG1 Video Decoder MPEG Audio Decoder
STI3430	MPEG1 Audio/Video Decoder
STI3500A	MPEG2 Video Decoder
STI3520A	MPEG2 Audio/Video Decoder
STV8438	Triple 8 bit D/A converter

Additional products: see next page

