

TELEVISION/MONITOR/VCR/MULTIMEDIA

RECOMMENDED PRODUCTS FROM SGS-THOMSON

DEFLECTION PROCESSORS

Type	Function
TEA2130	TV and Satellite decoder scanning processor
TDA9102C	H/V processor for low end monitors
STV7778	H/V processor for midle end monitors
TDA9103	H/V processor for high end multisynchro monitors

CHROMA AND VIDEO PROCESSORS

Type	Function
STV2110B	PAL/SECAM LUMA-CHROMA AND DEFLECTION PROCESSOR
STV2102B	PAL UMA-CHROMA AND DEFLECTION PROCESSOR
STV2112	I2C BUS CONTROLLED PAL/SECAM TV PROCESSOR
STV2116	I2C BUS CONTROLLED PAL TV PROCESSOR
STV2118A	I2C BUS CONTROLLED PAL/SECAM/NTSC TV PROCESSOR

VERTICAL DEFLECTION AMPLIFIERS (VERTICAL BOOSTERS)

Type	Function
TDA8170	Vertical booster with flyback generator and internal Vref for AC coupling
TDA8172	Vertical booster with flyback generator and external Vref for DC & AC coupling
TDA8171	Vertical booster with flyback generator and internal Vref for AC coupling
TDA8177	Vertical booster with flyback generator and external Vref for DC & AC coupling
TDA9302H	Vertical booster with flyback generator and external Vref for DC & AC coupling
STV9379	Vertical booster with flyback generator and external Vref for DC & AC coupling

HORIZONTAL DEFLECTION COLOR TV/MONITORS

Type	Function
BU808DFI	ISOWATT218
BUH315D	ISOWATT218
S2000AFI	ISOWATT218
BU508DFI	ISOWATT218
BUH515/D	ISOWATT218
BUH615	ISOWATT218
BUH1015/HI	TO-218/ISOWATT218
BUH1215	TO-218
THD200FI	ISOWATT218
BUH715	ISOWATT218
BU406/407/D	BLACK & WHITE TV/MONITORS
BU806/807/D	HORIZONTAL DEFLECTION
MDV04-600	MODULATION DIODE IN AXIAL CB429
DTV32-1200A	DAMPER DIODE IN TO-220/ISOWATT220
DTV32-1500A	DAMPER DIODE IN TO-220/ISOWATT220
DTV32-1200B	DAMPER DIODE IN TO-220/ISOWATT220
DTV32-1500B	DAMPER DIODE IN TO-220/ISOWATT220
THD218DHI	14-21" MONITOR ISO218
THD215HI	ISO218 14-15" SUPER/VGA

SEE MEMORY PRODUCTS SELECTOR FOR RECOMMENDED MEMORIES

TELEVISION/MONITOR/VCR/MULTIMEDIA	
A	OTP Memory - 5V range
D	OTP Memory - ROM compatible
E	UV EPROM - 5V range
F	UV EPROM - ROM compatible
G	FLASH Memory - Dual supply 5V/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
P	Parallel EEPROM - 5V range
U	Very fast SRAM - 5V range
Y	Memories with MCU

Additional products: see next page



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RGB AMPLIFIER

Type	Function
TEA5101B TDA9205	RGB High Voltage Video Amplifier DC Controlled 130MHz RGB Amplifier

IF CIRCUITS

Type	Function
STV8223A	Video and sound IF with Video & Audio Switches for PAL/NTSC
STV8224A	PAL Luma-Chroma and deflection processors for PAL/SECAM
STV8225	AM sound IF + audio switches for SECAM

SOUND PROCESSING

Type	Function
TDA8204 TDA8205 MC33078	NICAM decoder NICAM QPSK demodulator Dual low noise operational amplifier
LM883 TS925	Dual low noise operational amplifier Quad low noise Rail to Rail op-amp with phantom ground
TDA2320	Stereo amplifier

MISCELLANEOUS

LED DRIVERS	
Type	Function
M5450B7	34 SEGMENTS
M5451B7	35 SEGMENTS
M5480B7	23 SEGMENTS
M5481B7	14 SEGMENTS
M5482B7	15 SEGMENTS

ON SCREEN DISPLAY

Type	Function
STV9410 STV9422	CRT/LCD semi-graphic display controller Multi synchro OSD display (pixel clock = 40MHz) with 8 PWM output
STV9424	Mutli synchro OSD display (pixel clock = 40MHz)
STV9425	Multi synchro OSD display (pixel clock = 50MHz) with 8 PWM output
STV9426	Multi synchro OSD display (pixel clock = 50 Mhz)
STV5730	Multistandard on screen display for Pay-TV, satellite receiver

SWITCHING DEVICES

Type	Function
TEA2014A	Video switch
TEA2114/24 TEA5114A	Large bandwidth video switch RGB switching circuit
TEA5116 TEA6414A	5 channels video switch Bus controlled video matrix (8 x 6) I ² C bus control
TEA6415C	Bus controlled video matrix (8 x 6) I ² C bus control
TEA6417	Bus controlled video matrix (8 x 16) I ² C bus control
STV6400	Double scart plug interface (5 x 3) I ² C bus control
STV6407 TEA6425	Video matrix (12 x 5) I ² C bus control Bus controlled video cellular matrix (6 x 8) I ² C bus control
TEA6420	Bus controlled audio stereo matrix (5 x 4) I ² C bus control
TEA6422	Bus controlled audio cellular stereo matrix (6 x 3) I ² C bus control
TEA6430	Bus controlled audio cellular stereo matrix (5 x 4) I ² C bus control

Additional products: see next page



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VCR PRODUCTS

Type	Function
STV5727D	2HEADS AMPLIFIER (VIDEO)
STV5722AD	2 HEADS AMPLIFIER (VIDEO)
STV5742D	2 HEADS AMPLIFIER (VIDEO)
STV5726AD	4 HEADS AMPLIFIER (VIDEO)
STV5744D	4 HEADS AMPLIFIER (VIDEO)
STV5712	2 HEADS HIFI AMPLIFIER (AUDIO)

MICROCONTROLLERS

Type	Function
ST631x	8kROM/EPROM, 8bit MCU, 128 EEPROM, OSD, D/A
ST636/7/8x	8/20kROM/EPROM, 384 EEPROM, OSD, D/A Monitor
ST6369	8kROM/EPROM, Monitor control cell
ST6370	20kROM/EPROM, Monitor control cell
ST727x	15/20kROM/EPROM, Monitor control cells

TELETEXT

Type	Function
STV5348/T/H	TELETEXT and VPS decoder with 8 integrated pages

REMOTE CONTROL

Type	Function
M3004LAB1	Remote control transmitter
M3005LAB1	Remote control transmitter
M145026	Remote control encoder
M145027	Remote control decoder
M145028	Remote control decoder

POWER SUPPLY

Type	Function
TEA2261	Off Line SMPS controller Power Bipolar driver
TEA2262	Off Line SMPS controller Power Mos driver
TEA5170	Secondary SMPS controller
TEA2018A	Current mode SMPS controller
TDA4605	SMPS driver with variable frequency
TDA8132	Dual voltage regulator with output disable (5.1V, 12V)
TDA8133	Dual voltage regulator with disable and reset (5.1V, 8V)
TDA8137	Dual voltage regulator with disable and reset (5.1V)
TDA8138/A/B	Dual voltage regulator with disable and reset (5.1V, 12V)
TDA8139	Dual voltage regulator with disable and reset (5.1V, ajus)

Additional products: see next page



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

POWER SUPPLY (Cont'd)

Type	Function
SG3524 SG3525	SMPS Controllers
BUF405A BUF410A IRFP150/FI STHV102/FI AVS 8/10/12/20	ETD Transistors P-MOS TO-218/ISO218 P-MOS 1000 V Automatic Voltage Switch
BYW98-200 BYW100-200 BYW29-200 BYT01-400 BYT03-400 BYT11-1000	High Efficiency Rectifier/Fast Switch Diode
STPS STPR	Power Schottky Diode FRED Diodes
BUL310 BUL310PI SGSF463 STP5NA80 STP5NA80FI	High Voltage Transistors and Power Mos

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POWER FACTOR CORRECTOR CONTROLLERS

Type	Function
L4981A	Power factor controller
L4981B	Power factor controller
L6560	Power factor controller
L6560A	Power factor controller

VIDEO SIGNAL PROCESSING

Type	Function
TSH10/11	Single High Speed Op. Amp.
TSH94	Quad High Speed Op. Amp.

DIGITAL VIDEO-AUDIO DECOMPRESSION

Type	Function
STi3500A	MPEG-2 video integrated decoder for Digital TV
STi3400	MPEG-1 video integrated decoder for video-CD and multimedia
STi4510	MPEG audio decoder
STi3520	MPEG audio/MPEG-2 video integrated decoder for digital TV
STi3430	MPEG audio/MPEG-1 video integrated decoder for video-CD and multimedia
STV8438CV	Triple 8-bit D/A converter with analog switch for graphic board

SATELLITE RECEIVERS

Type	Function
STV0056	Satellite sound and video processr for analog satellite receiver
STV0180	High speed 8 bit A to D converter for video application
STV0190	High speed dual 6 bit A to D converter for digital satellite receiver
STV0196	QPSK demodulator for digital satellite receiver
STV0116	PAL/NTSC video encoder for digital satellite receiver
STV0117	PAL/NTSC video encoder for digital satellite receiver

