

# TELEVISION/MONITOR/VCR/MULTIMEDIA

## RECOMMENDED PRODUCTS FROM SGS-THOMSON

### DEFLECTION PROCESSORS

Type	Function
<a href="#">TEA2130</a>	TV and Satellite decoder scanning processor
<a href="#">TDA9102C</a>	H/V processor for low end monitors
<a href="#">STV7778</a>	H/V processor for midle end monitors
<a href="#">TDA9103</a>	H/V processor for high end multisynchro monitors

### VERTICAL DEFLECTION AMPLIFIERS (VERTICAL BOOSTERS)

Type	Function
<a href="#">TDA8170</a>	Vertical booster with flyback generator and internal Vref for AC coupling
<a href="#">TDA8172</a>	Vertical booster with flyback generator and external Vref for DC & AC coupling
<a href="#">TDA8171</a>	Vertical booster with flyback generator and internal Vref for AC coupling
<a href="#">TDA8177</a>	Vertical booster with flyback generator and external Vref for DC & AC coupling
<a href="#">TDA9302H</a>	Vertical booster with flyback generator and external Vref for DC & AC coupling
<a href="#">STV9379</a>	Vertical booster with flyback generator and external Vref for DC & AC coupling

### 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 <sup>2</sup> C Bus - 2 wire 100 KHz
K	Serial EEPROM I <sup>2</sup> C Bus - 2 wire 400 KHz
P	Parallel EEPROM - 5V range
U	Very fast SRAM - 5V range
Y	Memories with MCU

### CHROMA AND VIDEO PROCESSORS

Type	Function
<a href="#">STV2110B</a>	PAL/SECAM LUMA-CHROMA AND DEFLECTION PROCESSOR
<a href="#">STV2102B</a>	PAL UMA-CHROMA AND DEFLECTION PROCESSOR
<a href="#">STV2112</a>	I2C BUS CONTROLLED PAL/SECAM TV PROCESSOR
<a href="#">STV2116</a>	I2C BUS CONTROLLED PAL TV PROCESSOR
<a href="#">STV2118A</a>	I2C BUS CONTROLLED PAL/SECAM/NTSC TV PROCESSOR

### HORIZONTAL DEFLECTION COLOR TV/MONITORS

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

Additional products: see next page



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### RGB AMPLIFIER

Type	Function
<a href="#">TEA5101B</a> <a href="#">TDA9205</a>	RGB High Voltage Video Amplifier DC Controlled 130MHz RGB Amplifier

### IF CIRCUITS

Type	Function
<a href="#">STV8223A</a>	Video and sound IF with Video & Audio Switches for PAL/NTSC
<a href="#">STV8224A</a>	PAL Luma-Chroma and deflection processors for PAL/SECAM
<a href="#">STV8225</a>	AM sound IF + audio switches for SECAM

### SOUND PROCESSING

Type	Function
<a href="#">TDA8204</a> <a href="#">TDA8205</a> <a href="#">MC33078</a>	NICAM decoder NICAM QPSK demodulator Dual low noise operationnal amplifier
<a href="#">LM883</a> <a href="#">TS925</a>	Dual low noise operationnal amplifier Quad low noise Rail to Rail op-amp with phantom ground
<a href="#">TDA2320</a>	Stereo amplifier

### MISCELLANEOUS

LED DRIVERS	
Type	Function
<a href="#">M5450B7</a>	34 SEGMENTS
<a href="#">M5451B7</a>	35 SEGMENTS
<a href="#">M5480B7</a>	23 SEGMENTS
<a href="#">M5481B7</a>	14 SEGMENTS
<a href="#">M5482B7</a>	15 SEGMENTS

### ON SCREEN DISPLAY

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

### SWITCHING DEVICES

Type	Function
<a href="#">TEA2014A</a>	Video switch
<a href="#">TEA2114/24</a>	Large bandwidth video switch
<a href="#">TEA5114A</a>	RGB switching circuit
<a href="#">TEA5116</a>	5 channels video switch
<a href="#">TEA6414A</a>	Bus controlled video matrix (8 x 6) I <sup>2</sup> C bus control
<a href="#">TEA6415C</a>	Bus controlled video matrix (8 x 6) I <sup>2</sup> C bus control
<a href="#">TEA6417</a>	Bus controlled video matrix (8 x 16) I <sup>2</sup> C bus control
<a href="#">STV6400</a>	Double scart plug interface (5 x 3) I <sup>2</sup> C bus control
<a href="#">STV6407</a>	Video matrix (12 x 5) I <sup>2</sup> C bus control
<a href="#">TEA6425</a>	Bus controlled video cellular matrix (6 x 8) I <sup>2</sup> C bus control
<a href="#">TEA6420</a>	Bus controlled audio stereo matrix (5 x 4) I <sup>2</sup> C bus control
<a href="#">TEA6422</a>	Bus controlled audio cellular stereo matrix (6 x 3) I <sup>2</sup> C bus control
<a href="#">TEA6430</a>	Bus controlled audio cellular stereo matrix (5 x 4) I <sup>2</sup> 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)
<a href="#">STV5712</a>	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
<a href="#">ST6369</a>	8kROM/EPROM, Monitor control cell
<a href="#">ST6370</a>	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
<a href="#">M3004LAB1</a>	Remote control transmitter
<a href="#">M3005LAB1</a>	Remote control transmitter
<a href="#">M145026</a>	Remote control encoder
<a href="#">M145027</a>	Remote control decoder
<a href="#">M145028</a>	Remote control decoder

### POWER SUPPLY

Type	Function
<a href="#">TEA2261</a>	Off Line SMPS controller Power Bipolar driver
<a href="#">TEA2262</a>	Off Line SMPS controller Power Mos driver
<a href="#">TEA5170</a>	Secondary SMPS controller
<a href="#">TEA2018A</a>	Current mode SMPS controller
<a href="#">TDA4605</a>	SMPS driver with variable frequency
<a href="#">TDA8132</a>	Dual voltage regulator with output disable (5.1V, 12V)
<a href="#">TDA8133</a>	Dual voltage regulator with disable and reset (5.1V, 8V)
<a href="#">TDA8137</a>	Dual voltage regulator with disable and reset (5.1V)
<a href="#">TDA8138/A/B</a>	Dual voltage regulator with disable and reset (5.1V, 12V)
<a href="#">TDA8139</a>	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 <a href="#">LM317MDT</a> LM323 LM337 <a href="#">LM338K</a> <a href="#">LM350K</a> L78Sxx L78Lxx <a href="#">LM723</a>	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
<a href="#">TL431</a> <a href="#">MC1403</a>	2.5V Shunt reference 2.5V Serial reference	Voltage reference

### POWER SUPPLY (Cont'd)

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

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### POWER FACTOR CORRECTOR CONTROLLERS

Type	Function
<a href="#">L4981A</a>	Power factor controller
<a href="#">L4981B</a>	Power factor controller
<a href="#">L6560</a>	Power factor controller
<a href="#">L6560A</a>	Power factor controller

### VIDEO SIGNAL PROCESSING

Type	Function
<a href="#">TSH10/11</a>	Single High Speed Op. Amp.
<a href="#">TSH94</a>	Quad High Speed Op. Amp.

### DIGITAL VIDEO-AUDIO DECOMPRESSION

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

### SATELLITE RECEIVERS

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

