

# AUTOMOTIVE

## RECOMMENDED PRODUCTS FROM SGS-THOMSON

### SPECIAL FUNCTIONS

Type Number	Description
<a href="#">L4620</a>	Liquid Level Alarm
<a href="#">L9610C/11C</a>	PWM Powermos Controller
<a href="#">L9686</a>	Automotive Indicator
<a href="#">L9700</a>	Hex Precision Limiter
<a href="#">L9703</a>	Octal Ground Contact Monitoring Circuit
<a href="#">L9704</a>	Octal Supply Contact Monitoring Circuit

### PREAMPLIFIERS AND AUDIO PROCESSORS

Type Number	Description
<a href="#">TDA2320A</a>	Stereo Preamplifier
<a href="#">TDA3420</a>	Dual Very Low Noise Preamplifier
<a href="#">TDA7300</a>	Digital Controlled Stereo Audio Processor
<a href="#">TDA7302</a>	Digital Controlled Stereo Audio Processor
<a href="#">TDA7306</a>	Digital Controlled Stereo Audio Processor

### IGNITION CONTROL

<a href="#">L482/1</a>	Hall Effect Pickup Ignition Controller
<a href="#">L484/1</a>	Magnetic Pickup Ignition Controller
<a href="#">L497</a>	Hall Effect Pickup Ignition Controller
<a href="#">STGP10N50A</a>	Insulated Gate Bipolar Transistor

### SEE MEMORY PRODUCTS SELECTOR FOR RECOMMENDED MEMORIES

AUTOMOTIVE	
A	OTP Memory - 5V range
G	Flash Memory - Dual supply 5V/12V
I	Flash Memory - Dual supply 5V only
L	SPI bus - 2 Mhz

### FUEL INJECTION

Type Number	Description
<a href="#">L584</a>	Multifunction Injection Interface

### MOTOR CONTROLLERS

Type Number	Description
<a href="#">L272</a>	Dual Power Operational Amplifier
<a href="#">L2720/2/4</a>	Low Drop Dual Power Operational Amplifier
<a href="#">TDA1151</a>	Motor Speed Regulator
<a href="#">TDA1154</a>	Speed Regulator for DC Motors
<a href="#">TDA7275A</a>	Motor Speed Regulator
<a href="#">L9907</a>	Motor Bridge Driver for Headlight Adjustment
<a href="#">L9930</a>	Dual Full Bridge Driver for DC motors (e.g. Idle Speed)
<a href="#">L9943</a>	Stepper Motor Driver (e.g. Idle Speed Control)
<a href="#">L9947S</a>	Quad Half Bridges + 1HSD (e.g. Mirror Control)
<a href="#">L9997</a>	Motor Bridge Driver (e.g. Mirror control, Climatization)

### DISPLAYS

Type Number	Description
<a href="#">M5450/1</a>	Led Display Driver
<a href="#">M5480</a>	Led Display Driver
<a href="#">M5481</a>	Led Display Driver
<a href="#">M5482</a>	Led Display Driver
<a href="#">M8438A</a>	Serial Input LCD Driver
<a href="#">ULN2001A</a> to 2004A	Seven Darlington Array

### ABS SYSTEM

Type	Function
B82 Z	Protection Device (Darlington + Zener)

### PROTECTION DEVICES

Type	Function
<a href="#">BZW04...</a> <a href="#">BZW06...</a> <a href="#">P6KE...</a> <a href="#">1.5 KE...</a> <a href="#">BZW50...</a>	Electronic modules and dashboard circuits protection
<a href="#">SM4T</a> <a href="#">SM6T</a> <a href="#">SM15T</a>	SMD-Transil
<a href="#">LDP24/AS/M</a>	Load Dump
<a href="#">RB008-40T</a> <a href="#">RB040-40T/M</a>	Reverse Battery Protection Reverse Battery Protection and load Dump. Protection.

### OPERATIONAL AMPLIFIERS / TIMERS

Type	Function
<a href="#">LM2901</a> <a href="#">LM2902</a> <a href="#">LM2903</a> <a href="#">LM2904</a> <a href="#">TS27X</a> <a href="#">TS37X</a> <a href="#">TS393</a> <a href="#">TS339</a> <a href="#">TS55X</a>	Quad Comparator Quad Op-Amp Dual Comparator Dual Op-Amp CMOS Op-Amps CMOS Comparators CMOS Comparators
<a href="#">TS3V902</a> <a href="#">TS3V912</a> <a href="#">TS3V904</a> <a href="#">TS3V914</a>	CMOS Timers 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



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## RECOMMENDED PRODUCTS FROM SGS-THOMSON

### REGULATORS, LAMPS/ SOLENOID/DC MOTOR DRIVERS, DASHBOARDS

Type	Function
<a href="#">BUZ10</a> <a href="#">BUZ11</a> <a href="#">BUZ11A</a> <a href="#">BUZ11FI</a> <a href="#">BUZ71</a> <a href="#">BUZ71FI</a> <a href="#">IRFZ20</a> <a href="#">STP60N06/-16</a> <a href="#">STP65N06/FI</a> <a href="#">STP55N06L/FI</a> <a href="#">STP53N06</a> <a href="#">STP50N06/L/FI</a> <a href="#">STP36N06/L/FI/LFI</a> <a href="#">STP30N06/FI</a> <a href="#">STK23N06L</a> <a href="#">STP32N06L/FI</a> <a href="#">STK22N06</a> <a href="#">STP25N06/FI</a> <a href="#">STD17N06/L</a> <a href="#">STK18N06/L</a> <a href="#">STP20N06/FI</a> <a href="#">STP21N06L/FI</a> <a href="#">STK14N06</a> <a href="#">STP15N06/FI</a> <a href="#">STK12N06L</a> <a href="#">STD12N06/L</a> <a href="#">STK3055E</a> <a href="#">STP15N06L/FI</a>	Discrete Power Mosfet

### ELECTRONIC IGNITIONS

Type	Function
<a href="#">BU941Z/P/PFI/T/TFI</a> <a href="#">BU911</a> <a href="#">SGS911</a> <a href="#">BU912</a> <a href="#">BU931/P/PFI/SM/T/TFI</a> <a href="#">BU941</a> <a href="#">BU900DT</a>	Darlingtons
<a href="#">VB020</a> <a href="#">VB024</a> <a href="#">VB027</a> <a href="#">VB027SP</a> <a href="#">VB921ZV</a>	Intelligent Power
<a href="#">STGP10N50AL</a>	IGBT

### IGNITION

Type	Function
<a href="#">L484</a>	Magnetic Pickup Ignition Controller
<a href="#">L497</a>	Hall-Effect Pickup Ignition Controller

### LIGHTING

Type	Function
<a href="#">L9686</a>	Blinker
<a href="#">L9687</a>	Blinker with Very Low Quiescent Current
<a href="#">L9830</a>	Lamp Dimmer

### POWER SUPPLY

Type	Function
<a href="#">L4922</a>	5V/1A V. Reg with Reset
<a href="#">L4923</a>	5V/500mA V.Reg with Reset and Inhibit
<a href="#">L4925</a>	5V/500mA V.Reg with Reset
<a href="#">L4925</a>	5V/500mA V.Reg with Reset in Power SO-20
<a href="#">L4936N/37N/38N</a>	Dual 5V (Adju.)/500mA, 5V/50mA Multif. V.Reg
<a href="#">L4936EH/L4938ED</a>	Dual 5V (Adju.)/400mA, 5V/100mA with Programmable Reset
<a href="#">L4939</a>	Dual 5V/5mA-80mA V.Reg with Reset
<a href="#">L4945</a>	5V/500mA V.Reg
<a href="#">L4947/L4947R</a>	5V/500mA V.Reg with Reset
<a href="#">L4947PD</a>	5V/500mA V.Reg with Reset in Power SO-20 package
<a href="#">L4949ND</a>	5V/100mA Multifunction V.Reg with Reset
<a href="#">L4942PD</a>	5V/1.25A PWM Current Mode Reg. with Internal Power Transistor, 12V/100mA (EEPROM Progr.)
<a href="#">L4935</a>	Triple 5V/350mA-100mA-7.5mA V.Reg with Inhibit and Reset

### INTERFACES

Type	Function
<a href="#">L9637</a>	ISO (9141) Interface
<a href="#">L9581</a>	VAN Line Interface
<a href="#">L9705</a>	Double Quad Contact Interface Circuit (4GND and 4 VBAT)

Additional products: see next page

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## 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, EEPROM, SPI+SCI, A/D converter

### MEMORIES

Type	Function
	available in 4. sto5Sv. or 2.5 to 5.5V cc specification
<a href="#">ST24C01</a>	1Kbit, i2C Bus, PDIP8 + PS08
<a href="#">ST24C02A</a>	2Kbit, i2C Bus, PDIP8 + PS08
<a href="#">ST24C04</a>	4Kbit, i2C Bus, PDIP8 + PS08
<a href="#">ST24C08</a>	8Kbit, i2C Bus, PDIP + PS0
<a href="#">ST93C06</a>	256bit, Microwine, PDIP8 + PS08
<a href="#">ST93C46A</a>	1Kbit, Microwine, PDIP9 + PS08
<a href="#">ST93CS46</a>	1Kbit, Microwine, PDIP8 + PS08, write protect
<a href="#">ST93CS56</a>	2Kbit, Microwine, PDIP8 + PS08 + PS014, write protect
<a href="#">M87C257</a>	256K CMOS LATCHED EPROM
<a href="#">M27C256</a>	256K CMOS EPROM
<a href="#">M27C512</a>	512K CMOS EPROM
<a href="#">ST90E30</a>	8K EPROM CMOS 8/16-bit MCU with ADC, SCI, 2 MFTs
<a href="#">ST90R30</a>	ROMLESS version of ST9030
<a href="#">ST90R50</a>	ROMLESS HCMOS 8/16-bit MCU with ADC, 2SCI, 3 MFTs

### OUTPUT STAGE FOR VOLTAGE REGULATORS/ALTERNATORS

Type	Function
<a href="#">SGS112/BD336</a> <a href="#">SGS122/127</a> <a href="#">BD336</a> <a href="#">BDX53B/54B</a> <a href="#">TIP131</a> <a href="#">TIP106</a> <a href="#">BDX53C/54C</a> <a href="#">TIP102/107</a> <a href="#">TIP141/146</a> <a href="#">TIP142/147</a> <a href="#">BDW93B/94B</a> <a href="#">BDW93C/94C</a> <a href="#">SGSD100/D200</a> <a href="#">MJ11014/013</a>	High Gain Bipolar Darlingtons

### ALTERNATOR VOLTAGE REGULATOR

Type	Function
<a href="#">L585</a>	Multifunction Car Alternator Voltage Regulator
<a href="#">L9480VB/L9444VB/L9448VB</a>	Monofunction Car Alternator Voltage Regulator
<a href="#">L9463</a>	Monofunction Alternator Regulator with Battery Sensing

Additional products: see next page



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## RECOMMENDED PRODUCTS FROM SGS-THOMSON

### VOLTAGE REGULATORS

Type	Function
LFxx	Low drop 0.5A
LExxA/C	Low drop 100mA
LK115Dxx	Low drop 100mA
L487	Very low drop
L2605	Low drop
L470	Very low drop
<a href="#">L4920</a>	Adjustable
<a href="#">L4921</a>	Adjustable
<a href="#">L387A</a>	5V-0.4A Very Low Drop Regulator
L2605/85/10	0.5A Low Drop Voltage Regulators
L4805/85/92/10/12	0.4A Very Low Drop Voltage Regulators
<a href="#">L4901A</a>	Dual 5V Regulator with Reset
<a href="#">L4902A</a>	Dual 5V Regulator with Reset and Disable
<a href="#">L4904A</a>	Dual 5V Regulator with Reset
<a href="#">L4916</a>	Voltage Regulator Plus Filter
<a href="#">L4918</a>	Voltage Regulator Plus Filter
<a href="#">L4920/21</a>	Very Low Drop Adjustable Regulators
<a href="#">L4922</a>	5V-1A Very Low Drop Regulator with Reset
<a href="#">L4923</a>	5V-1A Very Low Drop Reg. with Reset and Inhibit
L4936/8	Dual Multifunction Voltage Regulators
L4937	Dual Multifunction Voltage Regulator
<a href="#">L4940V12</a>	Very Low Drop Regulator
<a href="#">L4945</a>	5V-0.5A Very Low Drop Regulator
<a href="#">L4947</a>	5V-0.5A Very Low Drop Regulator with Reset
TL77 Series	Supply Voltage Supervisor
GSR412	Switch mode, Power supply module

### ALTERNATOR REGULATORS

Type Number	Description
<a href="#">L585</a>	Car Alternator Regulator
<a href="#">L9480VB</a>	One Chip Car Alternator Regulator

### MONOLITHIC POWER ACTUATORS

Type Number	Description
<a href="#">L9222</a>	Quad Inverting Transistor Switch
<a href="#">L9305/C</a>	Dual High Current Relay Drivers
<a href="#">L9307/9</a>	Dual High Current Low Side Driver
<a href="#">L9308</a>	Dual Low Side Driver
<a href="#">L9324</a>	Window Lift Controller
<a href="#">L9350</a>	High Side Driver
<a href="#">L9821</a>	High Side Driver
<a href="#">L9822</a>	Octal Serial Solenoid Driver
<a href="#">L9947</a>	Multiple Half Bridge Driver
<a href="#">VN02N</a>	High Side Driver
<a href="#">VN05N</a>	High Side Driver
<a href="#">VN20N</a>	High Side Driver
<a href="#">VB020</a>	Electronic Ignition
<a href="#">L922D</a>	Quad Inverting Transistor Switch
<a href="#">L9307/9</a>	Dual High Current LSD
<a href="#">L9308</a>	Dual LSD
<a href="#">L9351</a>	1.5A High Side Driver
<a href="#">L9341H</a>	Quad LSD + Serial Interface
<a href="#">L9820</a>	1A High Side Driver
<a href="#">L9822EPD</a>	Octal Serial Input LSD with DMOS outputs
<a href="#">L9824D</a>	Octal Parallel Input LSD with DMOS outputs
<a href="#">L9377</a>	Octal Parallel Input LSD with DMOS outputs
<a href="#">L9386</a>	Dual LSD with Diagnostic (e.g. ABS Valve Driver)
<a href="#">L9338D</a>	Dual LSD with Diagnostic (e.g. ABS Valve Driver)
<a href="#">L9363</a>	Quad Parallel Medium Power LSD
<a href="#">L9839</a>	Quad Injector Driver with Diagnostic
	Bidirectional Switch for Mirror Control

### POWER AMPLIFIERS

Type Number	Description
<a href="#">TDA2003</a>	10W Audio Amplifier
<a href="#">TDA2004A</a>	10 + 10W Stereo Amplifier
<a href="#">TDA2005</a>	20W Bridge Amplifier
<a href="#">TDA7240A</a>	20W Bridge Amplifier
<a href="#">TDA7241BV</a>	20W Bridge Amplifier
<a href="#">TDA7256</a>	22W Bridge Amplifier
<a href="#">TDA7350</a>	Bridge-Stereo Amplifier
<a href="#">TDA7360</a>	Stereo/Bridge Amplifier with Clipping Detector
<a href="#">TDA7370</a>	Quad Power Amplifier with Clipping Detector
<a href="#">TDA7374</a>	2x22 Amplifier with Clipping Detector
<a href="#">TDA7362</a>	2x11W Amplifier with Clipping Detector

### LOW DROP REGULATORS

Type	Description
<a href="#">L4940Vxx</a>	1.5A Series
<a href="#">L4941</a>	5V 1A fixed
LFxx	0.5A Series
LExxA/C	100mA Series
LK115Dxx	100mA Series