

**GENERAL PURPOSE CHIP RESISTORS, RoHS compliant, Tolerance 1%**



Part Name	Package	Manufacturer	Description
<a href="#">0Q,1Q - 1MΩ series E24</a>	0402	YAGEO	RC0402 rated power at 70°C is 1/16 W , Maximum Working Voltage 50 V
<a href="#">0Q,1Q - 10MΩ series E24</a>	0603	YAGEO	RC0603 rated power at 70°C is 1/10 W , Maximum Working Voltage 50 V
<a href="#">0Q,1Q - 10MΩ series E24</a>	0805	YAGEO	RC0805 rated power at 70°C is 1/8 W , Maximum Working Voltage 150 V
<a href="#">0Q,1Q - 10MΩ series E24</a>	1206	YAGEO	RC1206 rated power at 70°C is 1/4 W , Maximum Working Voltage 200 V

**Multilayer Ceramic Capacitors, RoHS compliant**



Part Name	Package	Manufacturer	Description
<a href="#">1pF - 1nF series E12</a>	0402	Samsung	Temperature Characteristics = COG , Rated Voltage = 50V
<a href="#">1nF - 100nF series E12</a>	0402	Samsung	Temperature Characteristics = X7R , Rated Voltage = 50V
<a href="#">1pF - 1nF series E12</a>	0603	Samsung	Temperature Characteristics = COG , Rated Voltage = 50V
<a href="#">1nF - 470nF series E12</a>	0603	Samsung	Temperature Characteristics = X7R , Rated Voltage = 50V
<a href="#">CL10B105KO8NNND</a>	0603	Samsung	1μF / 16V / X7R / ±10%
<a href="#">CL10B105KA8NNND</a>	0603	Samsung	1μF / 25V / X7R / ±10%
<a href="#">CL10A225KP8NNNC</a>	0603	Samsung	2.2μF / 10V / X5R
<a href="#">CL10A225KO8NNNC</a>	0603	Samsung	2.2μF / 16V / X5R / ±10%
<a href="#">C1608X5R1A335M</a>	0603	TDK	3.3μF / 10V / X5R / ±20%
<a href="#">CL10A475KP8NNNC</a>	0603	Samsung	4.7μF / 10V / X5R / ±10%
<a href="#">C1608X5R1C475K080</a>	0603	TDK	4.7μF / 16V / X5R / ±10%
<a href="#">CL10A106MP8NNNC</a>	0603	Samsung	10μF / 10V / X5R / ±20%
<a href="#">C1608X5R1C106M080</a>	0603	TDK	10μF / 16V / X5R / ±20%
<a href="#">CL10A106MA8NRNC</a>	0603	Samsung	10μF / 25V / X5R / ±20%
<a href="#">CL10A226MP8NUNE</a>	0603	Samsung	22μF / 10V / X5R / ±20%
<a href="#">1pF - 1nF series E12</a>	0805	Samsung	Temperature Characteristics = COG , Rated Voltage = 50V
<a href="#">1nF - 1μF series E12</a>	0805	Samsung	Temperature Characteristics = X7R , Rated Voltage = 50V
<a href="#">CL21B225KAFNNNG</a>	0805	Samsung	2.2μF / 25V / X7R / ±10%
<a href="#">GRM21BR61H225KA73L</a>	0805	muRata	2.2μF / 50V / X5R / ±10%
<a href="#">EMK212B7475KG-T</a>	0805	Taiyo Yuden	4.7μF / 16V / X7R / ±10%
<a href="#">08053D475KAT2A</a>	0805	KYOCERA (AVX)	4.7μF / 25V / X5R / ±10%
<a href="#">CL21B106KPQNNNF</a>	0805	Samsung	10μF / 10V / X7R / ±10%
<a href="#">CL21B106KOQNNNG</a>	0805	Samsung	10μF / 16V / X5R / ±10%
<a href="#">CL21B106KOQNNNG</a>	0805	Samsung	10μF / 16V / X7R / ±10%
<a href="#">CL21A106KAYNNNG</a>	0805	Samsung	10μF / 25V / X5R / ±10%
<a href="#">CL21A226MPCLRNC</a>	0805	Samsung	22μF / 10V / X5R / ±20%
<a href="#">CL21A226MAQNNNE</a>	0805	Samsung	22μF / 25V / X5R / ±20%
<a href="#">C2012X5R1A476M125</a>	0805	TDK	47μF / 10V / X5R / ±20%
<a href="#">1pF - 1nF series E12</a>	1206	Samsung	Temperature Characteristics = COG , Rated Voltage = 50V
<a href="#">1nF - 1μF series E12</a>	1206	Samsung	Temperature Characteristics = X7R , Rated Voltage = 50V
<a href="#">CL31B225KBHNNNE</a>	1206	Samsung	2.2μF / 50V / X7R / ±10%
<a href="#">CL31B475KAHNNNE</a>	1206	Samsung	4.7μF / 25V / X7R / ±10%
<a href="#">CL31B475KBHNNNE</a>	1206	Samsung	4.7μF / 50V / X7R / ±10%
<a href="#">CL31B106KOHNNNE</a>	1206	Samsung	10μF / 16V / X7R / ±10%
<a href="#">CL31A106KAHNNNE</a>	1206	Samsung	10μF / 25V / X5R / ±10%
<a href="#">CL31B106KLHNNNE</a>	1206	Samsung	10μF / 35V / X7R / ±10%
<a href="#">C3216X5R0J226MT0J5N</a>	1206	TDK	22μF / 6.3V / X5R / ±20%
<a href="#">CL31A226KPHNNNE</a>	1206	Samsung	22μF / 10V / X5R / ±10%
<a href="#">CL31A226MOCLNNC</a>	1206	Samsung	22μF / 16V / X5R / ±20%
<a href="#">C3216X5R0J476M160AC</a>	1206	TDK	47μF / 6.3V / X5R / ±20%
<a href="#">C1206C107M9PAC780U</a>	1206	KEMET	100μF / 6.3V / X5R / ±20%
<a href="#">GMK325 BJ106KN-T</a>	1210	Taiyo Yuden	10μF / 35V / X5R / ±10%
<a href="#">UMK325 BJ106MM-T</a>	1210	Taiyo Yuden	10μF / 50V / X5R / ±20%
<a href="#">C3225X5R1C226K250AA</a>	1210	TDK	22μF / 16V / X5R / ±10%
<a href="#">C3225X5R0J107M250AC</a>	1210	TDK	100μF / 6.3V / X5R / ±20%

## Tantalum Capacitors



	Package	Manufacturer	
<a href="#">1µF - 47µF / 6.3V - 35V</a>	A (3216)	AVX	1µF/35V, 2.2µF/16V, 2.2 F/35V, 3.3µF/16V, 4.7µF/16V, 10µF/16V, 22µF/10V, 33µF/10V, 47µF/6.3V
<a href="#">1µF - 22µF / 10V - 35V</a>	B (3528)	AVX	1µF/35V, 2.2µF/25V, 3.3µF/20V, 4.7µF/16V, 4.7µF/20V, 4.7µF/35V, 10µF/16V, 10µF/20V, 22µF/20V
<a href="#">1µF - 100µF / 10V - 50V</a>	C (6032)	AVX	1µF/50V, 3.3µF/35V, 4.7µF/35V, 10µF/25V, 22µF/20V, 33µF/10V, 47µF/16V, 100µF/16V
<a href="#">2.2µF - 330µF / 10V - 50V</a>	D (7343)	AVX	2.2µF/50V, 10µF/35V, 22µF/35V, 33µF/20V, 47µF/35V, 68µF/16V, 100µF/16V, 330µF/10V
<a href="#">293D226X9020D2TE3</a>	D (7343)	Vishay	22µF/20V ESR=0.7Ω I <sub>RMS</sub> =0.46A
<a href="#">TPSC226K025R0275</a>	C (6032)	AVX	22µF/25V ESR=0.275Ω I <sub>RMS</sub> =0.569A
<a href="#">T495X476K035ATE300</a>	X (7343)	Kemet	47µF/35V ESR=0.3Ω I <sub>RMS</sub> =0.668A
<a href="#">T495D107K010ATE100</a>	X (7343)	Kemet	100µF/10V ESR=0.1Ω I <sub>RMS</sub> =1.103A
<a href="#">593D106X9035D2TE3</a>	D (7343)	Vishay	10µF/35V ESR=0.3Ω I <sub>RMS</sub> =0.71A
<a href="#">593D226X0035E2TE3</a>	E (7343)	Vishay	22µF/35V ESR=0.275Ω I <sub>RMS</sub> =0.77A
<a href="#">TPSD107K016R0150</a>	D (7343)	AVX	100µF/16V ESR=0.15Ω I <sub>RMS</sub> =0.9A
<a href="#">TPSD157K010R0050</a>	D (7343)	AVX	150µF/10V ESR=0.05Ω I <sub>RMS</sub> =1.559A

## General Purpose LEDs



Part Name	Package	Manufacturer	Description
<a href="#">LG Q396</a>	0603	Osram	Green LED - Indication
<a href="#">LY Q396</a>	0603	Osram	Yellow LED - Indication
<a href="#">LR Q396</a>	0603	Osram	Red LED - Indication
<a href="#">KPT-1608SURCK</a>	0603	Kingbright	Super Red LED - Indication
<a href="#">LH R974</a>	0805	Osram	Red LED - Indication
<a href="#">LG R971</a>	0805	Osram	Green LED - Indication
<a href="#">LY R976</a>	0805	Osram	Yellow LED - Indication
<a href="#">LTST-C170TBKT</a>	0805	LiteOn	Blue LED - Indication
<a href="#">LTW-170TK</a>	0805	LiteOn	White LED - Indication
<a href="#">SML-210DTT86</a>	0805	Rohm	Orange LED - Indication
<a href="#">SML-210YTT86</a>	0805	Rohm	Yellow LED - Indication
<a href="#">LTST-C150KRKT</a>	1206	LiteOn	Red LED - Indication
<a href="#">LTST-C150KGKT</a>	1206	LiteOn	Green LED - Indication
<a href="#">LTST-C150KSKT</a>	1206	LiteOn	Yellow LED - Indication
<a href="#">KP-3216SECK</a>	1206	Kingbright	Orange LED - Indication

## Power LEDs



Part Name	Package	Manufacturer	Description
<a href="#">LG T676-P2R1-24</a>	PLCC2	Osram	TOPLED Green 120° ~100mcd / 20mA
<a href="#">KA-3528SRS</a>	PLCC2	Kingbright	Super Bright Red (GaAlAs) 120° 150mcd / 20mA
<a href="#">SFH4243-Z</a>	PLCC2	Osram	High Power Infrared Emitter (940 nm) 60° 11 mW/sr
<a href="#">SMT470</a>	PLCC2	Epitex	High Performance Blue color TOP LED 400mcd / 20mA
<a href="#">SMT630</a>	PLCC2	Epitex	High Performance Red color TOP LED 600mcd / 20mA
<a href="#">SMT660N</a>	PLCC2	Epitex	High Performance Red Color TOP LED 1lm / 20mA
<a href="#">SMT750</a>	PLCC2	Epitex	High Performance Infrared TOP IR LED 55° 6 mW/sr
<a href="#">SMT810N</a>	PLCC2	Epitex	High Performance Infrared TOP IR LED 55° 10 mW/sr / 50mA
<a href="#">SMT850N</a>	PLCC2	Epitex	High Performance Infrared TOP IR LED 62° 12 mW/sr / 50mA
<a href="#">SMT970</a>	PLCC2	Epitex	High Performance Infrared TOP IR LED 59° 5.3 mW/sr / 50mA

## Voltage regulators



Part Name	Package	Manufacturer	Description
<a href="#">LP5951MF-3.3</a>	SOT-23-5	Texas Instr.	LDO Voltage regulator 3.3V / 150mA
<a href="#">MCP1804T-C002I/DB</a>	SOT-223	Microchip	LDO Voltage regulator 12V / 150mA
<a href="#">MCP1402T-E/OT</a>	SOT-23-5	Microchip	Tiny 500 mA, High-Speed Power MOSFET Driver
<a href="#">78L05ACD</a>	SO-8	STM	Positive voltage regulator 5V / 100mA
<a href="#">LF33CDT</a>	DPAK	STM	Very low drop voltage regulator 3.3V / 1A
<a href="#">LM1117MPX-2.5</a>	SOT-223	Texas Instr.	800-mA Low-Dropout Linear Regulator 2.5V
<a href="#">LM1117IMP-3.3</a>	SOT-223	Texas Instr.	800-mA Low-Dropout Linear Regulator 3.3V
<a href="#">LD1117S12TR</a>	SOT-223	STM	fixed low drop positive voltage regulator 12V
<a href="#">TPS71501DCKR</a>	SC-70	Texas Instr.	50-mA, 24-V, 3.2-µA Supply Current Low-Dropout Linear Regulator
<a href="#">L78L12ACUTR</a>	SO-8	STM	Positive voltage regulator 12V / 100mA

## Transistors



Part Name	Package	Manufacturer	Description
<a href="#">BC846B</a>	SOT-23	NXP	65V / 100mA NPN general-purpose transistors $h_{fe} = 200-450$
<a href="#">BC856B</a>	SOT-23	NXP	65V / 100mA PNP general-purpose transistors $h_{fe} = 200-475$
<a href="#">BC807-40</a>	SOT-23	NXP	45V / 500mA PNP general-purpose transistors $h_{fe} = 200-600$
<a href="#">BC817-40</a>	SOT-23	NXP	45V / 500mA NPN general-purpose transistors $h_{fe} = 250-600$
<a href="#">BCR133</a>	SOT-23	Infineon	50V / 100mA Pre-Biased NPN Silicon Digital Transistor 10/10k $\Omega$
<a href="#">BCR185</a>	SOT-23	Infineon	50V / 100mA Pre-Biased PNP Silicon Digital Transistor 10/47k $\Omega$
<a href="#">MMBT3904</a>	SOT-23	NXP	40V / 200mA NPN switching transistor $h_{fe} = 100-300$
<a href="#">2SC2413K</a>	SOT-346	Rohm	HF Amp. NPN Transistor 25V / 50mA
<a href="#">BC846BW</a>	SOT-323	NXP	65 V / 100 mA NPN general-purpose transistors
<a href="#">BC856BW</a>	SOT-323	NXP	65 V / 100 mA PNP general-purpose transistors
<a href="#">BCR133W</a>	SOT-323	Infineon	50V / 100mA Pre-Biased NPN Silicon Digital Transistor 10/10k $\Omega$
<a href="#">BCR185W</a>	SOT-323	Infineon	50V / 100mA Pre-Biased PNP Silicon Digital Transistor 10/47k $\Omega$
<a href="#">BCX18</a>	SOT-23	NXP	50V / 500mA PNP general-purpose transistors $h_{fe} = 100-600$

## MOSFET Transistors



Part Name	Package	Manufacturer	Description
<a href="#">BSS83P</a>	SOT-23	Infineon	P-FET 60V / 0.33A / 2.0 $\Omega$
<a href="#">BSS84</a>	SOT-23	NXP	P-FET 50V / 0.13A / 10 $\Omega$
<a href="#">BSS123</a>	SOT-23	NXP	N-FET 100V / 0.15A / 6 $\Omega$ - Logic level FET
<a href="#">BSS138</a>	SOT-23	Fairchild	N-FET 50V / 0.22A / 3.5 $\Omega$ - Logic level FET
<a href="#">2N7002L</a>	SOT-23	ON Semi.	N-FET 60V / 115mA
<a href="#">ZXM61N02F</a>	SOT-23	Zetex	N-FET 20V / 1.7A / 0.18 $\Omega$
<a href="#">IRLL024N</a>	SOT-323	Int. Rectifier	N-FET 55V / 3.1A / 0.065 $\Omega$
<a href="#">IRF7341</a>	SO-8	Int. Rectifier	Dual N-FET 55V / 4.7A / 0.050 $\Omega$
<a href="#">FDS6675BZ</a>	SO-8	Fairchild	P-FET 30V / 11A / 0.013 $\Omega$
<a href="#">IRF7343TR</a>	SO-8	Int. Rectifier	Dual N and P FET N=55V/4.7A/0.050 $\Omega$ P=55V/3.4A/0.015 $\Omega$
<a href="#">DMP3098L</a>	SOT-23	DIODES	P-FET 30V / 3.8A / 0.070 $\Omega$
<a href="#">IRLML6401TRPbF</a>	SOT-23	Infineon	P-FET 12V / 4.3A / 0.050 $\Omega$

## Logic (1 Gate)



Part Name	Package	Manufacturer	Description
<a href="#">74HCT1G04GW</a>	SOT-23-5	NXP	Single inverter
<a href="#">SN74AHCT1G125DCK</a>	SC70	Texas Instr.	Single Bus Buffer Gate With 3-State Output
<a href="#">74LVC1G00SE-7</a>	SOT353	DIODES	SINGLE 2 INPUT POSITIVE NAND GATE
<a href="#">74LVC1G125SE-7</a>	SOT353	DIODES	SINGLE BUFFER GATE WITH 3-STATE OUTPUT
<a href="#">NC7S86M5X</a>	SOT-23-5	Fairchild	TinyLogic HS 2-Input Exclusive-OR Gate

## 74HC.... / 74HCT.... / 4000



Part Name	Package	Manufacturer	Description
<a href="#">74HC04D</a>	SO-14	NXP	Hex inverter
<a href="#">74HC02D</a>	SO-14	NXP	Quad 2-input NOR gate
<a href="#">74HC4066D</a>	SO-14	NXP	Quad single-pole single-throw analog switch
<a href="#">74HCT14D</a>	SO-14	NXP	Hex inverting Schmitt trigger
<a href="#">SN74HC165D</a>	SO-16	Texas Instr.	8-Bit Parallel-Load Shift Registers
<a href="#">74HC595D</a>	SO-16	NXP	8-bit serial-in, serial or parallel-out shift register with output latches
<a href="#">SN74HCT04D</a>	SO-14	Texas Instr.	HEX INVERTERS
<a href="#">MC14504BDR2G</a>	SO-16	ON Semi.	Hex Level Shifter for TTL to CMOS or CMOS to CMOS
<a href="#">74AC540MTCX</a>	TSSOP-20	Fairchild	Octal Buffer/Line Driver with 3-STATE Outputs
<a href="#">CD74HC574PWR</a>	TSSOP-20	Texas Instr.	High-Speed CMOS Logic Octal D-Type Flip-Flop, 3-State
<a href="#">CD74HC541PWR</a>	TSSOP-20	Texas Instr.	High-Speed CMOS Logic Octal Buffer and Line Drivers, Three-State
<a href="#">74AC541MTCX</a>	TSSOP-20	Fairchild	Octal Buffer/Line Driver with 3-STATE Outputs
<a href="#">MC14050B</a>	SO-16	ON Semi.	Noninverting Hex Buffer
<a href="#">74HCT138D</a>	SO-16	NXP	3-to-8 line decoder/demultiplexer; inverting
<a href="#">74HCT595T</a>	SO-16	NXP	8-bit serial-in, serial or parallel-out shift register with output latches
<a href="#">SN74AHC00PWR</a>	TSSOP-14	Texas Instr.	QUADRUPLE 2-INPUT POSITIVE-NAND GATES
<a href="#">74HC4040D</a>	SO-16	NXP	12-stage binary ripple counter

## Transceivers / Line drivers



Part Name	Package	Manufacturer	Description
<a href="#">ADM3485EARZ</a>	SO-8	Analog	3.3 V , RS-485/RS-422 Transceiver
<a href="#">SN74HC245DW</a>	SOL-20	Texas Instr.	Octal Bus Transceivers With 3-State Outputs
<a href="#">SN75176BD</a>	SO-8	Texas Instr.	Differential Bus Transceiver
<a href="#">DS75176BTMX</a>	SO-8	Texas Instr.	Multipoint RS-485/RS-422 Transceivers
<a href="#">SN65LVDS051DR</a>	SO16	Texas Instr.	High-Speed Differential Line Drivers and Receivers
<a href="#">SN65LVDT388ADBT</a>	TSSOP-38	Texas Instr.	High-Speed Differential Line Receivers
<a href="#">SN65LVDS389DBT</a>	TSSOP-38	Texas Instr.	High-Speed Differential Line Drivers

## TVS Diodes



Part Name	Package	Manufacturer	Description
<a href="#">CDSOT23-SM712</a>	SOT-23	Bourns	TVS array offers 2 TVS diodes Vbr=7.5V / 13.3V
<a href="#">MMBZ9V1AL</a>	SOT-23	DIODES	24W PEAK POWER DUAL SURFACE MOUNT TVS Vbr=9.1V
<a href="#">DALC208SC6</a>	SOT-23-6L	STM	Low capacitance diode array, ESD suppression 4lines Vrrm=9V
<a href="#">SMAJ5.0A-E3/61</a>	SMA	Vishay	TVS 400W Vwm=5.0V Uni-directional
<a href="#">SM6T6V8A</a>	SMB	STM	TVS 600W Vwm=5.8V Uni-directional
<a href="#">P6SMB6V8A</a>	SMB	PANJIT	TVS 600W Vwm=5.8V Uni-directional
<a href="#">SMBJ8.5A</a>	SMB	Littelfuse	TVS 600W Vwm=8.5V Uni-directional
<a href="#">P6SMB15A</a>	SMB	PANJIT	TVS 600W Vwm=12.8V Uni-directional
<a href="#">P6SMB15CA</a>	SMB	Fagor	TVS 600W Vwm=12.8V Bi-directional
<a href="#">P6SMBJ20A</a>	SMB	Littelfuse/Semikron	TVS 600W Vwm=17.1V Uni-directional
<a href="#">P6SMBJ24A</a>	SMB	PANJIT	TVS 600W Vwm=24V Uni-directional
<a href="#">SMBJ24CA</a>	SMB	Multicomp	TVS 600W Vwm=24V Bi-directional
<a href="#">P6SMBJ24CA</a>	SMB	PANJIT	TVS 600W Vwm=24V Bi-directional
<a href="#">SM6T30A</a>	SMB	STM	TVS 600W Vwm=25.6V Uni-directional
<a href="#">SMBJ30A-TR</a>	SMB	STM	TVS 600W Vwm=30V Uni-directional
<a href="#">P6SMB33A</a>	SMB	Fagor	TVS 600W Vwm=26.8V Bi-directional
<a href="#">P6SMB33CA</a>	SMB	Fagor	TVS 600W Vwm=28.2V Bi-directional
<a href="#">SM6T39A</a>	SMB	STM	TVS 600W Vwm=33.3V Uni-directional
<a href="#">SM6T39A-E3/52</a>	SMB	Vishay	TVS 600W Vwm=33.3V Uni-directional
<a href="#">SM6T100A</a>	SMB	STM	TVS 600W Vwm=85.5V Uni-directional

## Small Signal Diodes



Part Name	Package	Manufacturer	Description
<a href="#">BAR43</a>	SOT-23	STM	Schottky 30V / 100mA / Vf=0.33V Config. = Single Diode
<a href="#">BAR43A</a>	SOT-23	STM	Schottky 30V / 100mA / Vf=0.33V Config. = Dual Common Anode
<a href="#">BAR43C</a>	SOT-23	STM	Schottky 30V / 100mA / Vf=0.33V Config. = Dual Common Cathode
<a href="#">BAR43S</a>	SOT-23	STM	Schottky 30V / 100mA / Vf=0.33V Config. = Dual Series
<a href="#">BAS40-04</a>	SOT-23	DIODES	Schottky 40V / 200mA / Vf=0.6V Config. = Dual Series
<a href="#">BAS40-05</a>	SOT-23	DIODES	Schottky 40V / 200mA / Vf=0.6V Config. = Dual Common Cathode
<a href="#">BAS40-06</a>	SOT-23	DIODES	Schottky 40V / 200mA / Vf=0.6V Config. = Dual Common Anode
<a href="#">BAT54A</a>	SOT-23	DIODES	Schottky 30V / 200mA / Vf=0.5V Config. = Dual Common Anode
<a href="#">BAT54C</a>	SOT-23	DIODES	Schottky 30V / 200mA / Vf=0.5V Config. = Dual Common Cathode
<a href="#">BAT54S</a>	SOT-23	DIODES	Schottky 30V / 200mA / Vf=0.5V Config. = Dual Series
<a href="#">BZV55C2V4-C33</a>	SOD80	NXP	
<a href="#">BAS85</a>	SOD80	NXP	Schottky 30V / 200mA / Vf=0.8V
<a href="#">BAT46</a>	SOD80	STM	Schottky 100V / 150mA / Vf=0.45V
<a href="#">BAT48</a>	SOD80	STM	Schottky 40V / 350mA / Vf=0.75V
<a href="#">LL101C</a>	SOD80	Vishay	Schottky 40V / 30mA / Vf=0.5V
<a href="#">BAS16</a>	SOT-23	NXP	100V / 215mA / Vf=0.855V
<a href="#">BAV99</a>	SOT-23	NXP	100V / 215mA / Vf=0.855V Config. = Dual Series
<a href="#">BAV70</a>	SOT-23	NXP	100V / 215mA / Vf=0.855V Config. = Dual Common Cathode
<a href="#">LL4148</a>	SOD80	Vishay	100V / 50mA / Vf=0.86V
<a href="#">TS4148RY</a>	0805	Taiwan Semi.	500mW High Speed SMD Switching Diode 75V / 150mA
<a href="#">BAV199</a>	SOT-23	PANJIT	250mW Low Leakage Dual Switching Diode 75V / 200mA - SERIES
<a href="#">LS103A-GS08</a>	SOD80	Vishay	Small Signal Schottky Diode 40V / 15A

## Power Diodes



Part Name	Package	Manufacturer	Description
<a href="#">SM4007</a>	MELF	Diotec	Rectifier 1000V / 1A
<a href="#">SM5819</a>	MELF	Diotec	SCHOTTKY BARRIER RECTIFIER 1.0 AMPERES, 40 VOLTS
<a href="#">B120-13-F</a>	SMA	DIODES	1.0A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER 20V
<a href="#">B140-13-F</a>	SMA	DIODES	1.0A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER 40V
<a href="#">S1A-E3/61T</a>	SMA	Vishay	Rectifier 50V / 1A
<a href="#">S1BA-E3/61T</a>	SMA	Vishay	Rectifier 100V / 1A
<a href="#">S1GB-13-F</a>	SMB	DIODES	Rectifier 400V / 1A
<a href="#">S1M-13-F</a>	SMA	DIODES	Rectifier 1000V / 1A
<a href="#">S2A-E3/52T</a>	SMB	Vishay	Rectifier 50V / 1.5A
<a href="#">MBRA210LT3G</a>	SMA	ON Semi.	SCHOTTKY BARRIER RECTIFIER 2.0 AMPERES, 10 VOLTS
<a href="#">MBRS240LT3G</a>	SMB	ON Semi.	SCHOTTKY BARRIER RECTIFIER 2.0 AMPERES, 40 VOLTS
<a href="#">B240-13-F</a>	SMB	DIODES	2.0A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER 40V
<a href="#">MBRS2H100T3G</a>	SMB	ON Semi.	SCHOTTKY BARRIER RECTIFIER 2.0 AMPERES, 100 VOLTS
<a href="#">MBRA340T3G</a>	SMA	ON Semi.	SCHOTTKY BARRIER RECTIFIER 3.0 AMPERES, 40 VOLTS
<a href="#">B340-13-F</a>	SMB	DIODES	3.0A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER 40V
<a href="#">S3M-E3/9AT</a>	SMC	Vishay	Rectifier 1000V / 3A
<a href="#">MBRS540T3G</a>	SMC	ON Semi.	SCHOTTKY BARRIER RECTIFIER 5.0 AMPERES, 40 VOLTS
<a href="#">SK56C</a>	SMC	Taiwan Semi.	5.0A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER 60V

## Operational Amplifiers / Comparators



Part Name	Package	Manufacturer	Description
<a href="#">LM393D</a>	SO-8	Texas Instr.	Dual Differential Comparators
<a href="#">TLE2022AIDR</a>	SO-8	Texas Instr.	EXCALIBUR HIGH-SPEED LOW-POWER PRECISION OP. AMP.
<a href="#">LM339D</a>	SO-14	STM	Low-power quad voltage comparator
<a href="#">TL072CDT</a>	SO-8	STM	Low noise JFET dual operational amplifiers
<a href="#">TLC272CDR</a>	SO8	Texas Instr.	LinCMOS PRECISION DUAL OPERATIONAL AMPLIFIERS

## Optocouplers



Part Name	Package	Manufacturer	Description
<a href="#">PC355N3J0000F</a>	MF-4	SHARP	Darlington Phototransistor Output Photocoupler 35V/80mA CTR600%
<a href="#">PC900V0NIPXF</a>	SMD-DIP6	SHARP	Digital Output, Normal OFF Operation DIP 6 pin +OPIC Photocoupler
<a href="#">PC354NJ0000F</a>	MF-4	SHARP	AC Input Photocoupler 80V/50mA CTR20-400%
<a href="#">PC357N3J000F</a>	MF-4	SHARP	General Purpose Photocoupler Rank "C" CTR200-400% @ 5mA

## Voltage references



Part Name	Package	Manufacturer	Description
<a href="#">TL431CD</a>	SO-8	STM	Programmable voltage reference 2.5 - 36V

## SMPS Controllers



Part Name	Package	Manufacturer	Description
<a href="#">MC34063AB</a>	SO-8	STM	DC-DC converter control circuits 100kHz / 1.5A / 40V max
<a href="#">L5972D</a>	SO-8	STM	2A switch step down switching regulator 250kHz / 36V

**Power switch**

Part Name	Package	Manufacturer	Description
<a href="#">BTS409L1</a>	TO263-5-2	Infineon	Smart High-Side Power Switch 34V / 2.3A / 200mΩ

**Transistor Arrays**

Part Name	Package	Manufacturer	Description
<a href="#">ULN2003ADRG4</a>	SO-16	Texas Instr.	High-Voltage, High-Current Darlington Transistor Array 50V /500mA
<a href="#">ULN2803ADRW</a>	SO-18	Texas Instr.	Darlington Transistor Arrays 50V / 500mA

**SMT Aluminum Electrolytic Capacitors**

Part Name	Package	Manufacturer	Description
<a href="#">AFK108M25H32T-F</a>	H 12.5x13.5	Cornell Dubilier	1mF/25V/0.06Ω SMT Aluminum Electrolytic Capacitors, LowESR 105°C
<a href="#">AFK337M25F24T-F</a>	F 8x10.2	Cornell Dubilier	330μF/25V/0.16Ω SMT Aluminum Electrolytic Capacitors, LowESR 105°C
<a href="#">AFK477M25G24T-F</a>	G 10x10.2	Cornell Dubilier	470μF/25V/0.08Ω SMT Aluminum Electrolytic Capacitors, LowESR 105°C
<a href="#">EEEEFK1C681P</a>	G 10x10.2	Panasonic	680μF/16V/0.08Ω SMT Aluminum Electrolytic Capacitors, LowESR 105°C
<a href="#">EEEEFK1E331P</a>	F 8x10.2	Panasonic	330μF/25V/0.16Ω SMT Aluminum Electrolytic Capacitors, LowESR 105°C
<a href="#">EEEEFK1H102AM</a>	J 16x16.5	Panasonic	1mF/50V/0.073Ω SMT Aluminum Electrolytic Capacitors, LowESR 105°C
<a href="#">MAL215375109E3</a>	B 4x5.3	Vishay	10μF/16V/8Ω SMT Aluminum Electrolytic Capacitors, 105°C

**Ceramic Resonators**

Part Name	Package	Manufacturer	Description
<a href="#">CSTCW48M0X51-R0</a>	CSTCW	muRata	48MHz ±0.5% Built-in Load Capacitance 6pF 2.5x2x1mm
<a href="#">CSTCR4M00G55A-R0</a>	CSTCR	muRata	4MHz ±0.5% Built-in Load Capacitance 39pF 4.5x2x1.1mm

**Chip ferrite bead**

Part Name	Package	Manufacturer	Description
<a href="#">BLM21PG221SN1</a>	0805	muRata	Z=220Ω / 100MHz Rdc=0.045Ω
<a href="#">BLM21PG300SN1</a>	0805	muRata	Z=30Ω / 100MHz Rdc=0.014Ω
<a href="#">BLM31PG121SH1L</a>	1206	muRata	Z=120Ω / 100MHz Rdc=0.015Ω