

1000 pF±5%50V	Description Capacitor Ceramic	Designator	Footprint	LibRef Quantity CAP; TH; 0.001uF;
Geramic Capacitor COG, NPO Radial	0.001uF50V C0G5% 5mm T/R	а	THCAPHILIAN 5.5x4.0x2.5-TDKC	50V; FA28NP01H102JNU06
220 µF 16 V Aluminum - Polymer Capacitors Radial,	Cap Aluminum Polymer 220uF 16VDC 20% (6.3 X 5.9mm) SMD 0.022 Ohm	C2, C4	SWD-DxLxW- 6.36.66.6-PEC	CAP; 220uF; 16V; SMD; 16SVPK220M
Can - SMD 22mOhm 1000 Hrs @ 125°C	1040mA 1000h 125C T/R Cap Aluminum			
220 µF 10 V Aluminum - Polymer Capacitors Radial, Can - SMD 20mOhm 2000 Hrs @ 106°C	Polymer 220uF 10VDC 20% (6.3 X 5.9mm) SMD 0.02 Ohm 2700mA 2000h 105C T/R	C3	SWD-DxLxW- 6.3x6.6x6.6-PEC	CAP, 220uF, 10V; SMD, 10SVPEZ20M
0.1 µF±6%50V Oaramic Capacitor X7R 0603 (1608 Metric)	Multilayer Ceramic Capacitor, 0.1 uF, 50 V, 12%5%, X7R, 0603 [1608 Metric]	05	SMD-CAP-0603- YAGED	CAP; 0.1uF; 50V; 0603; SMD; CC0603JPK/7F8BB104
Auminum Bectrolytic Capacitors Radial,	Cap Aluminum Lytic 2.2uF 400V 20% (8 X 11.5mm) Radial 3.5mm 50mA 2000h	C7, C8	THCAP+bD-12.5x8.0- PEC	CAP; TH; 2.2uF; 400V; ECA-2GM2R2
Can 2000 Hrs @85°C 10000 pF±5%25V Okramic Capacitor X7R 0603 (1608 Metric)	85C Automotive Bulk Surface Mount Ceramic Multilayer Capacitor 0.01uF 5% XVR 25V 0803 Paper TVR	C9	SMD-CAP-0603- Y/GEO	CAP; 0.01uF; 25V; 0603; SND; C00603.RV7R6BB103
Bridge Rectifier Single Phase Standard 1kV Surface Mount ABS	Bridge Rectifiers 1A, 1000V, Standard Bridge Rectifier	D1	DIODESMD-4-TSC	DICOE; SMD; ABS10H
Diode 40 V3A Surface Mount DO-214AC (SMA)	Diode Schottky SI 40V 3A 2-Pin SMA T/R	D2	SMD-DO-214AG214 CT	DICDE; SMD; SCHOTTKY; SS34HF
Diode 1000 V 1A Surface Mount SOD- 123FL	Diode Gen Purp 1KV 1A SOD123FL	D3, D6	SOD-123FL-SMCDS	DICOE; SMD; 1N4007FLN4007;
1 A 300 V ACDCFuse Board Mount (Cartridge Style Excluded) Through Hole Radial, Box	Fuse Subminiature Sow Blow Acting 1A 300V Radial 8.5 X 4 X 8mm Ammo Pack	PI	FUSEHNDW- 8.0x8.5x4.0-U	FUSE: 1/4 36911000000
FUSE; 16A; 0031.8211_1 Linear Voltage		F2	FUSE-3.6mmx10mm- AXIAL	RJSE; 16A; 0031.8211_1
Regulator ICPositive Fixed 1 Output 1ASOT 223-3	Linear Voltage Regulator IC1 Output 1A SOT-223	ICI	SOT-223-3-DI	LDO; 3/3; 1A; SMD; AZ1117BH3.3TRG1
Onverter Offline Ryback Topology 132kHz SMD-8B	ACto DC Switching Converter Off-Line Switcher 140kHz 7-Pin SMDB / ICOFFLINE SMTHV8SMD	IC3	SMD-8B-PI	LNG64GN-TL
Optoisolator Transistor Output 3750/rms 1 Channel 4-SOP (2.54mm)	Transistor Output Optocoupler, 1- Bernent, 3750V Isolation	IC4	S0P-4	ISO; 10H; EL357N-G
Shunt Voltage Reference IC Adjustable 2.495V 36 W ±1% 100 mA SOT- 23-3	V-Ref Adjustable 2.495V to 36V 100mA Automotive 3-Pin SOT- 23 T/R	ICS	SOT-23-3-DS	TL431A/DBZR MIRROID;
Linear Voltage Regulator ICPositive Fixed 1 Output 1ATO- 252 INPUT	Linear Voltage Regulator, Fixed, Positive Output, 7:5V to 25 V, 5V, 1A, 3 Pins, TO-252 (DPW)	IC7 IN1, IN2	T0252-3-RS	LDO; 5½, 1½, BA17806FP-E2 INPUT-2.0x3.5
30 Position Bevated	Connector Receptacle	IN1, IN2	INPUI-2.0x3.5	
Socket Connector 0.100" (2.54mm) Through Hole Gold	30 Position 0.100* (2.54mm) Gold Through Hole	TE	HEADER 2.54-15/2- N3D	HEADER 15:67IN; 2.54; VER; ESO:115-12- GD; N3D
Connector Header Through Hole 4 position 0.100° (2.54mm)	Conn Unshrouded Header HDR 4 POS 2.54mm Solder ST Thru-Hole Automotive Bulk	ß	SOCKET-SINGLE- WEV1081H	SOCKET; SINGLE;
JQ1P-5V-F	RBLAYGEN PURPOSE SPDT 10A5V	K1, K2	REAY-JQ1P-10A- Hbb/W-15-6x20.5x10.0 PEW	RELAY, SINGLE, 5VDC; CMP-05607-000163-1
220 µH Shielded Drum Core, Wirewound Inductor 250 mA 3.840hm Max Nonstandard	Power Inductor (SMD), 220 uH, ±20%, 250 mA, Shielded, 330 mA, 4mm x 4mm x 1.8mm	11,12	SMD-HulxW- 1.8x4.0x4.0-ALLC	IND; 220uH; 250mA; ASPI-0418FS:221M-T3
Bipolar (BJT) Transistor NPN 45 V 500 mA 100MHz 300 mW Surface Mount SOT-23-3 (TO-236)	Single Bipolar Transistor, NPN, 45 V, 500 mA, 225 mW, SOT-23 (TO-236), 3 Pins, Surface Mount	Q1	SOT-23-3-ONSBMI	TRINI; NPN; 500mA; V; BOB17-25LT1G
300 kChms ±1%0.6N/, 1/2WChip Resistor 1206 (3216 Metric) Automotive AEC- C200, Pulse Withstanding Thick Film	Res Thick Film 1206 300K Ohm 1% 0.5W(1/2W) ±100ppm/CEpoxy Resin Rad SMD Automotive T/R	Ri	SWD-RES1206-RS	RES; 300K; 1208; ESR18EZPF3003
100 Chms ±1%0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC- C200, High Voltage Thick Film 10k Chms ±1%0.25W,	Res Thick Film 0603 100 Chm 1% 0.1W(1/10W) ±100ppm/CPad SMD T/R Automotive AEC- Q200	R2	SMD-RES-0803-RS	RES; 100R-0803; SMD; KTR03E2FF1000
1/4WChip Resistor 0803 (1608 Metric) Automotive AEC- C200, Pulse Withstanding Thick Film	SMD Chip Resistor, 10 kChm, ± 1%, 250 mW, 0603 [1608 Metric], Thick Film, Anti-Surge	R3, R4	SMD-RES-0803-SB	RES; 10K; 0603; SMD; ESR09E2PF1002
300 kChms ±1%0.1W, 1/10WChip Resistor 0803 (1608 Metric) Automotive AEC- C(200, High Voltage Thick Film	Res High Voltage Thick Film 0603 300k Ohm 1% 1/10W ±100ppm/*CMolded Paper T/R	R6, R6, R7, R8	SWD-RES-0603-RS	RES; 300K; 0603; SMD; KTR03EZFF3003
10 mChms ±1%3W Chip Resistor 2512 (6432 Metric) Automotive AEC- Q200, Current Sense, Moisture Resistant Metal Film	Res Current Sense Metal Rate 2512 0.01 Chm 1% 3W ±110ppm/°CMolded T/R	R17, R19	SMD-RES-2512-VD	RES; SHLINT: 10mChrn; SMD; WRMA2512R0100FEA
1 kOhms ±1%0.25W, 1/4WOhip Resistor 0603 (1608 Metric) Automotive AEC- Q200, Pulse Withstanding Thick Film	SMD Chip Resistor, 1 kOhm, ± 1%, 250 mW, 0603 [1608 Metric], Thick Film, Anti-Surge	R21	SWD-RES-0803-SEI	RES; 1K; 0600; SMD; ESP(3627-F1001
For SMPS Transformer 500VAC Isolation Through Hole	OFFLINE TRANSFORMER 6W EE:13/7/6	TI	EE13- POWER	EE13/6/6-Power
VAR B7221490271K101	Var MOV 275VAQ'350VDC 4500A 430V Thru-Hole Radial Automotive	VR1	WARISTORTOK	VAR: B72214S0271K101