

Parts	Qty	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number
C101	1	Electrolytic Capacitor	100uF/450V		18*31mm	SAMYOUNG	NFA
C103	1	MLCC X7R capacitor	1nF/10V	±5%	0805	Murata	
C104	1	MLCC X7R capacitor	100nF/50V	±5%	0805	Murata	
C105,C204,C207	3	Electrolytic Capacitor	47uF/35V		5×11mm	SAMYOUNG	NXH
C106	1	MLCC X7R capacitor	2nF/10V	±5%	0805	Murata	
C201	1	MLCC X7R capacitor	100pF/630V	±5%	1206	Yageo	CC1206JKNPOZBN101
C205	1	MLCC X7R capacitor	470pF/630V	±5%	1206	Yageo	CC1206JKNPOZBN102
C202,C203	2	Electrolytic Capacitor	2200uF/16V		12.5 × 20mm	SAMYOUNG	NXH
C206	1	Electrolytic Capacitor	680uF/25V		10×16 mm	SAMYOUNG	NXB
C208	1	MLCC X7R capacitor	27nF/25V	±5%	0805	Murata	
CX101	1	X2 Capacitor	0.68uF/275V	±10%	11.0 x 18.5 x 18.0 mm	PILKOR	PCX2 337
CX102	1	X2 Capacitor	0.15uF/275V	±10%	6.0 x 12.0 x 18.0 mm	PILKOR	PCX2 337
CY101	1	Y1 Capacitor	4700pF/250V	±20%	CY4.5X13	Murata	DE6E3KJ472MB3B
R101,R102,R112	3	Resistor SMD	10M	±1%	1206	Rohm	
R103	1	Resistor SMD	270K	±1%	0805	Rohm	
R106,R107,R108	3	Resistor SMD	2.7	±1%	1206	Rohm	
R109,R110	2	Resistor SMD	2.2	±1%	1206	Rohm	
R111	1	Resistor SMD	0	±1%	0805	Rohm	
R201,R202	2	Resistor SMD	130	±1%	1206	Rohm	
R203,R204	2	Resistor SMD	82	±1%	1206	Rohm	
R205	1	Resistor SMD	750	±1%	1206	Rohm	
R206	1	Resistor SMD	1.2k	±1%	0805	Rohm	
R207	1	Resistor SMD	56k	±1%	0805	Rohm	
R208	1	Resistor SMD	160k	±1%	0805	Rohm	
R209	1	Resistor SMD	1.2M	±1%	0805	Rohm	
R210	1	Resistor SMD	680k	±1%	0805	Rohm	
R211	1	Resistor SMD	36k	±1%	0805	Rohm	
R212	1	Resistor SMD	1.8k	±1%	0805	Rohm	
D101,D102	2	Super Fast Rectifier	1000V, 1A		SMB	ON Semiconductor	MURS160T3G
D201	1	Schottky Rectifier	200V, 20A		TO-220	ON Semiconductor	MBR20200CT
HS1	1				22*10mm		
D202	1	Schottky Rectifier	150V, 10A		TO-277	ON Semiconductor	FSV10150V
ZD101	1	TVS	220V, 600W		DO-15	ON Semiconductor	P6KE220A
BD101	1	Bridge Rectifier	600V, 6A		GBU 6J	ON Semiconductor	GBU6J
LF101	1	Common-mode Choke	40mH/1.3A		21*10mm	TNC	CV613400SH
L201	1	Radial Lead Inductor	1.5uH/5.4A	±20%	8.7x10mm, 5.0mm pitch	BOURNS	RLB0912-1R5ML
L202	1	Radial Lead Inductor	1.5uH/0.92A	±20%	5x6.5mm,2.0mm pitch	BOURNS	RLB0608-1R5ML
T201	1	Transformer	940uH	±10%	PQ2625, 12Pin bobbin	TDK	PQ2625
F101	1	Radial Lead Fuse	250Vac, 2A		SS-5	Little fuse	392 1200 0000
U101	1	PWM with integrated Power switcher	NCP11187		7DIP	ON Semiconductor	NCP11187
U201	1	Opto coupler	CTR=130-260%		DIP 4-pin	ON Semiconductor	FOD817A
U202	1	Shunt Regulator	Adjustable, 2.5 V	1%	SOT-23F 3L	ON Semiconductor	NCP431BCSNT1G
CN101	1	Connector	3Pin		pitch 3.96mm	MOLEX	5273-03A
CN201	1	Connector	4Pin		pitch 3.96mm	MOLEX	5273-04A
JP1	1	Jumper wire	short		13.5mm		
PCB	1	PCB					