

Not all parts used. See schematic for parts application.

Pattern	QTY	Components	Comment
SMD 0805	9	R1, R2, R3, R4, R5, R6, R7, R8, R9	AC-DC section
SMD 0805	9	R13, R14, R15, R16, R17, R18, R19, R20, R21	LDO reg section.
SMD 0805	16	R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35, R36, R37	Current, op-amp section
SMD 0805	8	C5, C6, C9, C10, C11, C12, C13, C14	
SMD 1206	4	R10, R11, R12, R32	LED load, load
SMD 1206	4	C1, C2, C3, C4	DC filter
SMD 1812	1	C8	Cp, VDD+16V
SMD 1812	4	CIN1, CIN2, CIN3, CIN4	AC IN filter load
SMD 1812	2	RIN1, RIN2	AC IN dummy load
SMD 1812	16	CF1, CF2, CF3, CF4, CF5, CF6, CF7, CF8, CF9, CF10, CF11, CF12, CF13, CF14, CF15, CF16	DC filter
ELE CAP 0.15"	1	C7	Cp, VDD+16V
ELE CAP 0.2"	1	CAP5	DC out filter
ELE CAP 0.4"	3	CAP1, CAP2, CAP3	DC IN filter
ELE CAP 0.4"	1	CAP4	DC OUT filter
D2PAK/TO-263	4	M5, M6, M7, M8	N-CH, AC-DC
D2PAK/TO-263	2	DA1, DA2	Diode array
D2PAK/TO-263	2	M9, M10	N-CH, pre-charge
TO-263-7	4	M1, M2, M3, M4	N-CH, AC-DC
TO-247	2	M11 (add extra wire to Vout (S), M12	N-CH, power reg sw
Axial 0.7" 3W	4	RCS1, RCS2, RCS3, RCS4	Current sense
Axial 0.5"	1	R-CH	DC cap pre-charge R
LED 5mm	1	LED3	PWR OUT
2PLCC-3x2	2	LED1, LED2	
SOD-123	2	ZD, ZD2	
SOD-323	4	ZD1, ZD3, ZD4, ZD5	
SOIC-14	1	IC2	MIC5158
SOIC-8	1	IC4	LM258
DIP8	1	IC1	LT4320/LT4320-1
SOT-23-5	1	IC3	INA1*8/1*9
SOT-23-3	1	Q1, N-CH, insert upside down.	over-voltage shut-off
SOT-23-3	1	Q2, N-CH (NPN)	op-amp ext ctrl switch.
SOT-89-3	1	REG1	8-12V
TB-0.25 2pos	1	TB5	
TB-0.25-3pos	8	TB1, TB2, TB3, TB4, TB6, TB7, TB8, TB9	
VR-top-3362P	1	VR1	Voltage adjust.