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Universal AC Input, 24V/150mA Flyback

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
C1, C5	2	100pF	CAP, CERM, 100pF, 3150V, +/-5%, U2J, 1808	1808	GRM42A7U3F101JW31L	MuRata		
C2	1	100uF	CAP ALUM 100UF 20% 35V RADIAL	RCAP_8x11.5mm	35ZLJ100M6.3X11	Rubycon		
C3, C8	2	10uF	CAP, CERM, 10 uF, 35 V, +/- 10%, X7R, 1206	1206	GМК316AB7106KL	Taiyo Yuden		
C4	1	6.8uF	CAP, AL, 6.8uF, 400V, +/-20%, TH	8x11	400AX6R8M8x11	Rubycon		
C6	1	0.1uF	CAP, CERM, 0.1uF, 50V, +/-5%, X7R, 0805	0805	08055C104JAT2A	AVX		
C7, C9	2	0.1uF	CAP, CERM, 0.1uF, 25V, +/-5%, X7R, 0603	0603	06033C104JAT2A	AVX		
D1	1	150V	DIODE SCHOTTKY 150V 1A DO214AC	SMA	SS1150-LTP	Micro Commercial Component		
D2	1	1.15V	Diode, Switching-Bridge, 600V, 0.5A, MiniDIP	MiniDIP	RH06-T	Diodes Inc.		
D3	1	1.7V	Diode, Ultrafast, 1000V, 1A, SMA	SMA	US1M-13-F	Diodes Inc.		
D4	1		DIODE SWITCH 200V 200MA SOD323	SOD-323	BAS20HT1G			
D5	1	130V	DIODE TVS 130V 400W UNI 5% SMD	SMA	SMAJ130A	Littelfuse		
L, N, TP1, TP2	4		PCB Pin, Swage Mount, TH	3104-2	3104-2-00-34-00-00-08-0	Mill-Max		
R2	1	10.0k	RES, 10.0 k, 1%, 0.125 W, 0805	0805	CRCW080510K0FKEA	Vishay-Dale		
R3	1	510	RES, 510 ohm, 5%, 0.25W, 1206	1206	CRCW1206510RJNEA	Vishay-Dale		
R4	1	15.0	RES, 15.0 ohm, 1%, 0.1W, 0603	0603	CRCW060315R0FKEA	Vishay-Dale		
R5	1	124k	RES, 124 k, 1%, 0.1 W, 0603	0603	CRCW0603124KFKEA	Vishay-Dale		
R6	1	1.3k	RES, 1.3k ohm, 5%, 0.1W, 0603	0603	CRCW06031K30JNEA	Vishay-Dale		
R7	1	24.3k	RES, 24.3k ohm, 1%, 0.1W, 0603	0603	CRCW060324K3FKEA	Vishay-Dale		
T1	1	500uH	Transformer, 1.80mH, TH	20.25x10.16x13.72mm	7508110331	Würth Elektronik eiSos		
U1	1		LOW STAND-BY POWER, CV / CC PWM HV SWITCHER WITH PRIMARY SIDE REGULATION, D0007A	D0007A	UCC28910D	Texas Instruments		None
C10	0	2.2pF	CAP, CERM, 2.2pF, 50V, +/-11%, COG/NP0, 0603	0603	06035A2R2CAT2A	AVX		
L1	0	100uH	Inductor, Unshielded Drum Core, Ferrite, 100uH, 0.8A, 0.457 ohm, TH	D6 x 8.5mm	7447462101	Würth Elektronik eiSos		

Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.

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