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Universal AC Input, 12V/0.3A Flyback

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
IPC81	1		Printed Circuit Board		PMP10385	Any	-	-
C1, C5	2	100pF	CAP, CERM, 100pF, 3150V, +/-5%, U2J, 1808	1808	GRM42A7U3F101JW31L	MuRata		
C2	1	220uF	CAP ALUM 220UF 25V 20% RADIAL	RCAP 8x11.5mm	EEU-FM1E221	Panasonic		
C3	1	22uF	CAP, CERM, 22uF, 25V, +/-20%, X5R, 1210	1210	12103D226MAT2A	AVX		
C4	1	8.2uF	CAP ALUM 8.2UF 400V 20% RADIAL	8x11	400AX8.2M8X16	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		
C8	1	22uF	CAP, CERM, 22 uF, 16 V, +/-20%, X5R, 1206	1206	GRM31CR61C226ME15L	MuRata		
D1	1	150V	DIODE SCHOTTKY 150V 1A DO214AC	SMA	SS1150-LTP	Micro Commercial Componen		
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		
L1	1	100uH	Inductor, Unshielded Drum Core, Ferrite, 100uH, 0.8A, 0.457 ohm, TH	D6 x 8.5mm	7447462101	Würth Elektronik eiSos		
L, N, TP1, TP2	4		PCB Pin, Swage Mount, TH	3104-2	3104-2-00-34-00-00-08-0	Mill-Max		
R2	1	5.1k	RES, 5.1k ohm, 5%, 0.125W, 0805	0805	CRCW08055K10JNEA	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	90.9k	RES, 90.9 k, 1%, 0.1 W, 0603	0603	CRCW060390K9FKEA	Vishay-Dale		
R6	1	1.10k	RES, 1.10 k, 1%, 0.1 W, 0603	0603	CRCW06031K10FKEA	Vishay-Dale		
R7	1	41.2k	RES, 41.2 k, 1%, 0.1 W, 0603	0603	CRCW060341K2FKEA	Vishay-Dale		
T1	1	500uH	Transformer, 1.80mH, TH	20.25x10.16x13.72mm	14080801-0	AIN HSIN	7508110331	Würth
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%, C0G/NP0, 0603	0603	06035A2R2CAT2A	AVX		

Notes:

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

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