

Filename: PMP10299RevA_Bom.xls
 Variant: 001
 Generated: 6/18/2015 11:12:12 PM
 SVN path: \$URL::
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UCC28910 Flyback for triple outputs

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
IPC81	1		Printed Circuit Board		PMP10299	Any	-	-
C1	1	1000pF	CAP, CERM, 1000pF, 300V, +/-20%, Y5U, Radial Disc 7.5mm, ls=7.5	Radial Disc 7.5mm, ls=7.5	VY2102M29Y5UG63V7	Vishay-Bcomponents		
C2	1	0.1uF	CAP, Film, 0.1uF, 560V, +/-10%, TH	13x12x6mm	R46KF310050P0K	Kemet		
C3	1	47uF	CAP ALUM 3.3UF 400V 20% RADIAL	8x11	EEUEB2G470	Panasonic		
C4, C10	2	680uF	CAP, AL, 680uF, 20V, +/-20%, 0.012 ohm, TH	10x11.5mm	25ZLJ680M10X16	Rubycon		
C5	1	220uF	CAP ALUM 220UF 10V 20% RADIAL	6.3x5.5mm	UKA1A221MED1TD	Nichicon		
C6, C9, C11	3	1uF	CAP, CERM, 1uF, 25V, +/-10%, X5R, 0805	0805	08053D105KAT2A	AVX		
C7	1	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	06035C104KAT2A	AVX		
C8	1	22uF	CAP ALUM 22UF 25V 20% RADIAL	6.3x5.5mm	EEA-GA1E220H	Panasonic		
D1	1	1.7V	Diode, Ultrafast, 600V, 1A, SMA	SMA	US1J-E3/5AT	Diodes Inc.		
D2, D5	2	60V	Diode, Schottky, 60V, 1A, SMB	SMB	B160B-13-F	Diodes Inc.		
D3	1	30V	Diode, Schottky, 30V, 1A, SMA	SMA	B130L-13-F	Diodes Inc.		
D4	1	130V	DIODE ZENER 130V 3W SMB	SMB	1SMB5952BT3G	Diodes Inc.		
D6	1	1.7V	Diode, Ultrafast, 1000V, 1A, SMA	SMA	US1M-13-F	Diodes Inc.		
D7	1		DIODE SWITCH 200V 200MA SOD323	SOD-323	BAS20HT1G			
J1	1		CONN HEADER .312 VERT 2POS TIN	TH Header	1-1318301-2	AMP		
L1	1	10mH	Coupled inductor, 10mH, 0.7A, 0.35 ohm, +/-30%, TH	15 x 18 x 7.5mm	744821110	Würth Elektronik eiSos		
R1, R3, R101, R102	4	2.0k	RES, 2.0k ohm, 5%, 0.125W, 0805	0805	CRCW08052K00JNEA	Vishay-Dale		
R2	1	511	RES, 511 ohm, 0.1%, 0.125W, 0805	0805	RT0805BRD07511RL	Yageo America		
R4	1	33.2	RES, 33.2 ohm, 1%, 0.125W, 0805	0805	CRCW080533R2FKEA	Vishay-Dale		
R5	1	10.0	RES, 10.0 ohm, 1%, 0.1W, 0603	0603	CRCW060310R0FKEA	Vishay-Dale		
R6	1	33.2k	RES, 33.2k ohm, 1%, 0.1W, 0603	0603	CRCW060333K2FKEA	Vishay-Dale		
R7	1	806	RES, 806 ohm, 1%, 0.1W, 0603	0603	CRCW0603806RFKEA	Vishay-Dale		
R8	1	15.0k	RES, 15.0k ohm, 1%, 0.1W, 0603	0603	CRCW060315K0FKEA	Vishay-Dale		
RF1	1	4.7	RES, 4.7 ohm, 5%, 1W, Fusible, TH	Axial resistor	FKN1WSJR-52-4R7	Yageo America		
T1	1		Transformer, 1.2 mH, TH	770x570x685 mil	RLTI-1118	Renco Electronics		
TP1, TP2, TP3	3	Red	Test Point, Miniature, Red, TH	Red Miniature Testpoint	5000	Keystone		
TP4, TP5, TP6	3	Black	Test Point, TH, Miniature, Black	Keystone5001	5001	Keystone	Equivalent	Any
U1	1		LOW STAND-BY POWER, CV / CC PWM HV SWITCHER WITH PRIMARY SIDE REGULATION, D0007A	D0007A	UCC28910D	Texas Instruments		None

Notes:

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

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