Variant: ⁶001 Generated: 4/20/2015 11:32:12 AM TID #: PMP7899



PMP7899 REV D Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB	1		PMP7899	Any	Printed Circuit Board	
2	C2, C3	2	150uF	EEV-FK1J151Q	Panasonic	CAP, AL, 150uF, 63V, +/-20%, 0.16 ohm, SMD	SMT Radial H13
3	C4	1	1uF	C3216X7R2A105M	TDK	CAP, CERM, 1uF, 100V, +/-20%, C Series, 1206	1206
4	C5, C6, C7, C8	4	10uF	GRM31CR71E106KA12L	MuRata	CAP, CERM, 10uF, 25V, +/-10%, X7R, 1206	1206
5	C9	1	1uF	C2012X5R1E105K	TDK	CAP, CERM, 1uF, 25V, +/-10%, X5R, 0805	0805
6	C10	1	0.01uF	C2012C0G1E103J	TDK	CAP, CERM, 0.01uF, 25V, +/-5%, C0G/NP0, 0805	0805
7	C11	1	10uF	GRM31CR61E106KA12L	MuRata	CAP, CERM, 10uF, 25V, +/-10%, X5R, 1206	1206
8	C12	1	100pF	C1608C0G1H101J	TDK	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603
9	C13	1	1uF	GRM188R61C105KA93D	MuRata	CAP, CERM, 1uF, 16V, +/-10%, X5R, 0603	0603
10	C15	1	100pF	C1608C0G2A101J	TDK	CAP, CERM, 100pF, 100V, +/-5%, C0G/NP0, 0603	0603
11	C17	1	1000pF	C1206C102KFRACTU	Kemet	CAP CER 1000PF 1.5KV X7R 1206	1206
12	C18	1	0.1uF	C0603C104J3RACTU	Kemet	CAP, CERM, 0.1uF, 25V, +/-5%, X7R, 0603	0603
13	D1	1	1.25V	1N4148W-7-F	Diodes Inc.	Diode, Ultrafast, 100V, 0.15A, SOD-123	SOD-123
14	D2	1	600V	MURHD560T4G	ON Semiconductor	Ultra-Fast Diode 600V, 5A, DPAK	DPAK
15	D3	1	39V	1SMB5939BT3G	ON Semiconductor	Diode, Zener, 39 V, 550 mW, SMB	SMB
16	D5	1	100V	MBRS1100T3G	ON Semiconductor	Diode, Schottky, 100 V, 1 A, SMB	SMB
17	D6, D8	2	0.35V	BAT54HT1G	ON Semiconductor	Diode, Schottky, 30V, 0.2A, SOD-323	SOD-323
18	D7	1	12V	MMSZ4699-V	Vishay-Semiconductor	Diode, Zener, 12V, 500mW, SOD-123	SOD-123
19	FID1, FID2, FID3, FID4, FID5, FID6	6		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
20	Q1	1	60V	BSC067N06LS3 G	Infineon Technologies	MOSFET, N-CH, 60V, 50A, PG-TDSON-8	PG-TDSON-8
21	R2	1	3.3	CRCW12063R30JNEA	Vishay-Dale	RES, 3.3, 5%, 0.25 W, 1206	1206
22	R3	1	46.4k	CRCW060346K4FKEA	Vishay-Dale	RES, 46.4k ohm, 1%, 0.1W, 0603	0603
23	R4	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.25W, 1206	1206
24	R5, R9	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603
25	R6	1	10.0k	CRCW080510K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.125W, 0805	0805
26	R7	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00k ohm, 1%, 0.1W, 0603	0603
27	R8	1	2.74	CRCW06032R74FKEA	Vishay-Dale	RES, 2.74, 1%, 0.1 W, 0603	0603
28	R11	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9k ohm, 1%, 0.1W, 0603	0603
29	R12	1	499	CRCW0805499RFKEA	Vishay-Dale	RES, 499 ohm, 1%, 0.125W, 0805	0805
30	R13	1	8.25k	CRCW06038K25FKEA	Vishay-Dale	RES, 8.25 k, 1%, 0.1 W, 0603	0603
31	R14	1	40.2k	CRCW060340K2FKEA	Vishay-Dale	RES, 40.2k ohm, 1%, 0.1W, 0603	0603
32	R15	1	1.05k	CRCW06031K05FKEA	Vishay-Dale	RES, 1.05 k, 1%, 0.1 W, 0603	0603
33	R16	1	47	ERJ-6GEYJ470V	Panasonic	RES, 47, 5%, 0.125 W, 0805	0805
34	T1	1		NA6264-AL	CoilCraft	COILCRAFT TRANSFORMER	NAXXXX-AL
35	T2	1		PA1005.100NLT	Pulse Engineering	XFRMR CURR SENSE 2.0MH 1:100 SMD	PA1005.XXXNL
36	TP1, TP2, TP3, TP4	4	Double	1502-2	Keystone	Terminal, Turret, TH, Double	Keystone1502-2
37	TP5, TP7	2	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
38	TP6, TP8	2	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
39	TP9, TP10, TP11	3	White	5002	Keystone	Test Point, TH, Miniature, White	Keystone5002
40	U1	1		LM5022MME/NOPB	Texas Instruments	60V Low Side Controller for Boost and SEPIC, 10-pin MSOP, Pb-Free	MUB10A
41	U3	1		PS2501L-1-L-A	California Eastern Laboratories	High Isolation Voltage Single Transistor Type OptoCoupler 200-400%	PS2501L
42	U4	1		LMV431ACM5/NOPB	Texas Instruments	Low-Voltage (1.24V) Adjustable Precision Shunt Regulators, 5-pin SOT- 23, Pb-Free	MF05A
43	C1	0	100pF	C1608C0G2A101J	TDK	CAP, CERM, 100pF, 100V, +/-5%, C0G/NP0, 0603	0603
44	C14	0	0.1uF	C0603C104K3RACTU	Kemet	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603	0603
45	C16	0	1000pF	C2012X7R1H102K	TDK	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0805	0805
46	D4	0	0.35V	BAT54HT1G	ON Semiconductor	Diode, Schottky, 30V, 0.2A, SOD-323	SOD-323
47	R1	0	100	CRCW1206100RFKEA	Vishay-Dale	RES, 100, 1%, 0.25 W, 1206	1206
48	R10	0	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00k ohm, 1%, 0.1W, 0603	0603

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