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 Variant: None
 Generated: 3/15/2017 9:35:58 AM
 TID #: PMP20050



PMP20050 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB	1		PMP20050	Any	Printed Circuit Board	
2	C1, C2, C3, C5, C6, C7	6	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 µF, 25 V, +/- 10%, X7R, 1210	1210
3	C8	1	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	0603
4	C9, C10, C11, C15, C16, C17	6	100uF	GRM32EC80J107ME20L	MuRata	CAP, CERM, 100 µF, 6.3 V, +/- 20%, X6S, 1210	1210
5	C12	1	0.1uF	GRM188R71C104KA01D	MuRata	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, 0603	0603
6	C13, C14	2	DNP	AMK325AC6227MM-P	Taiyo Yuden	CAP, CERM, 220 µF, 4 V, +/- 10%, X6S, 1210	1210
7	C18, C19, C22	3	DNP	GRM1555C1H220FA01D	MuRata	CAP, CERM, 22 pF, 50 V, +/- 1%, C0G/NP0, 0402	0402
8	C20	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V, +/- 10%, X7R, 0603	0603
9	C21	1	4.7uF	GRM21BR71C475KA73L	MuRata	CAP, CERM, 4.7 µF, 16 V, +/- 10%, X7R, 0805	0805
10	CBT1	1	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	0603
11	CN1	1	1000pF	06035A102KAT2A	AVX	CAP, CERM, 1000 pF, 50 V, +/- 10%, C0G/NP0, 0603	0603
12	L1	1	500nH	SER1412-501MLB	Coilcraft	Inductor, Shielded E Core, Ferrite, 500 nH, 37 A, 0.0013 ohm, SMD	15.24x12.66x12mm
13	R1, R7, R13, RBT1	4	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
14	R2	1	187k	CRCW0402187KFKED	Vishay-Dale	RES, 187 k, 1%, 0.063 W, 0402	0402
15	R3, R9, R10	3	DNP	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.063 W, 0402	0402
16	R4	1	1.00	CRCW04021R00FKED	Vishay-Dale	RES, 1.00, 1%, 0.063 W, 0402	0402
17	R5	1	26.7k	CRCW040226K7FKED	Vishay-Dale	RES, 26.7 k, 1%, 0.063 W, 0402	0402
18	R6, R11	2	DNP	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
19	R8	1	84.5k	CRCW040284K5FKED	Vishay-Dale	RES, 84.5 k, 1%, 0.063 W, 0402	0402
20	R12	1	17.8k	CRCW040217K8FKED	Vishay-Dale	RES, 17.8 k, 1%, 0.063 W, 0402	0402
21	R14	1	40.2k	CRCW040240K2FKED	Vishay-Dale	RES, 40.2 k, 1%, 0.063 W, 0402	0402
22	R15	1	8.66k	CRCW04028K66FKED	Vishay-Dale	RES, 8.66 k, 1%, 0.063 W, 0402	0402
23	R16	1	100	ERJ-2RKF1000X	Panasonic	RES, 100, 1%, 0.1 W, 0402	0402
24	RN1	1	3.0	RC0805JR-073RL	Yageo America	RES, 3.0 ohm, 5%, 0.125W, 0805	0805
25	TP1, TP3, TP5, TP8, TP9, TP11, TP12, TP14, TP17	9	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
26	TP2, TP13	2		3102-2-00-21-00-00-08-0	Mill-Max	PCB Pin, 0.04" DIA, TH	PCB Pin, 0.04" DIA, TH
27	TP4, TP6, TP7, TP10, TP15	5	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
28	TP16	1	SMT	5015	Keystone	Test Point, Miniature, SMT	Testpoint_Keystone_Miniature
29	U1	1		TPS543C20RVFT	Texas Instruments	35A FIXED FREQUENCY NON-COMPENSATON STACKABLE SYNCHRONOUS BUCK CONVERTER, RVF0040A	RVF0040A

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