Variant: 001

Generated: 3/7/2016 1:35:16 PM

TID #: PMP11668



PMP11668 REV 1.0 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1	1	0.47uF	C0603C474K9RACTU	Kemet	CAP, CERM, 0.47 µF, 6.3 V, +/- 10%, X7R, 0603	0603
2	C2	1	0.022uF	C0603C223K4RACTU	Kemet	CAP, CERM, 0.022 μF, 16 V, +/- 10%, X7R, 0603	0603
3	C3, C4	2	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7 μF, 50 V, +/- 10%, X7R, 1206	1206
4	C5, C11	2	47uF	GRM32ER61A476KE20L	MuRata	CAP, CERM, 47 µF, 10 V, +/- 10%, X5R, 1210	1210
5	C6	1	2.2uF	GCM188C71A225K	MuRata	CAP, CERM, 2.2 μF, 10 V, +/- 10%, X7S, 0603	0603
6	C7	1	0.1uF	C0603C104K8RACTU	Kemet	CAP, CERM, 0.1 µF, 10 V, +/- 10%, X7R, 0603	0603
7	C8	1	10uF	C1608X5R1E106M080AC	TDK	CAP, CERM, 10 µF, 25 V, +/- 20%, X5R, 0603	0603
8	C9	1	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	0603
9	C10	1	0.1uF	0603YC104JAT2A	AVX	CAP, CERM, 0.1 µF, 16 V, +/- 5%, X7R, 0603	0603
10	C12	1	10uF	GRM188R61A106ME69D	MuRata	CAP, CERM, 10 µF, 10 V, +/- 20%, X5R, 0603	0603
11	D1, D2	2	18V	SMAJ17A	Littelfuse	Diode, TVS, Uni, 17 V, 400 W, SMA	SMA
12	J1	1		1751248	Phoenix Contact	Conn Term Block, 2POS, 3.5mm, TH	11x8.5x7.3mm
13	J2	1		48037-1000	Molex	Connector, Plug, USB Type A, R/A, Top Mount SMT	USB Type A right
							angle
14	J3	1		896-43-004-00-000000	Mill-Max	Connector, Receptacle, USB TYPE A, R/A, Top Mount SMT	USB TYPE A
							CONNECTOR
							RECEPTACLE 4POS
							SMD
15	L1	1	3.3uH	74437358033	Wurth Elektronik	Inductor, Shielded Drum Core, Powdered Iron, 3.3 µH, 8.25 A, 0.01235	9.2x8.5mm
						ohm, SMD	
16	R1	1	6.04k	CRCW06036K04FKEA	Vishay-Dale	RES, 6.04 k, 1%, 0.1 W, 0603	0603
17	R2	1	37.4k	CRCW060337K4FKEA	Vishay-Dale	RES, 37.4 k, 1%, 0.1 W, 0603	0603
18	R3	1	10.7k	CRCW060310K7FKEA	Vishay-Dale	RES, 10.7 k, 1%, 0.1 W, 0603	0603
19	R4	1	5.1k	CRCW06035K10JNEA	Vishay-Dale	RES, 5.1 k, 5%, 0.1 W, 0603	0603
20	R5, R6, R7	3	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
21	R8	1	20k	CRCW060320K0JNEA	Vishay-Dale	RES, 20 k, 5%, 0.1 W, 0603	0603
22	R9	1	80.6k	CRCW060380K6FKEA	Vishay-Dale	RES, 80.6 k, 1%, 0.1 W, 0603	0603
23	R10	1	2.55k	CRCW06032K55FKEA	Vishay-Dale	RES, 2.55 k, 1%, 0.1 W, 0603	0603
24	U1	1		LMR23630ADDAR	Texas Instruments	SIMPLE SWITCHER 36V 3 A Synchronous Step-Down Converter, DDA0008E	DDA0008E
25	U2	1		TPS254900IRVCRQ1	Texas Instruments	Automotive USB Charging Port Controller and Power Switch with Short to	RVC0020A
						BAT protection, RVC0020A	
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