PMP10282 REVB BOM.xlsx None 6/9/2014 1:25:43 PM

PMP10282 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	Package
C1, C2, C10, C13,	5	0.1uF	C1005X7R1H104K050BB	TDK	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0402	0402
C15						
C3	1	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7uF, 50V, +/-10%, X7R, 1206	1206
C4, C8	2	1uF	UMK107AB7105KA-T	Taiyo Yuden	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0603	0603
C5, C11	2				CAP, open, 0402	0402
C6, C7	2	22uF	GRM21BR61A226ME44	MuRata	CAP, CERM, 22uF, 10V, +/-20%, X5R, 0805	0805
C9	1	1000pF	C1005C0G1E102J	TDK	CAP, CERM, 1000pF, 25V, +/-5%, C0G/NP0, 0402	0402
C12	1	10uF	GRM21BR71A106KE51L	MuRata	CAP, CERM, 10uF, 10V, +/-10%, X7R, 0805	0805
C14	1	150uF	10TPB150ML	Panasonic	CAP, 150uF, 10V, +/-20%, 0.04 ohm, SMD	Tant Cap, 7343_28
D1		40V	B340LA-13-F	Diodes Inc.	Diode, Schottky, 40V, 3A, SMA	SMA
D2	1	/FAULT	LTST-C190GKT	Lite-On	LED, Green, SMD	1.6x0.8x0.8mm
D3	1	/STATUS	LTST-C190GKT	Lite-On	LED, Green, SMD	1.6x0.8x0.8mm
J1	1		OST	ED555/2DS	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
J2	1		PEC02SAAN	Sullins	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin
J3	1		676430910	Molex	Connector, Receptacle, USB Standard, R/A, Top Mount TH	Standard USB Rcpt
J4	1		PEC05DAAN	Sullins	Header, 100mil, 5x2, Tin plated, TH	Header, 5x2, 100mil, Tin
J5	1		48037-1000	Molex	Connector, Plug, USB Type A, R/A, Top Mount SMT	USB Type A right angle
L1	1	3.3uH	SPM6530T-3R3M	TDK	Inductor, Shielded, Ferrite, 3.3uH, 6.8A, 0.0297 ohm, SMD	SMD 7.1x3.0x6.5mm
L2	1		985DH-1026	Toko	Coupled inductor, 0.28A, 0.36 ohm, SMD	2.2x1.3x1.4mm
R1	1	5.11	CRCW06035R11FKEA	Vishay-Dale	RES, 5.11 ohm, 1%, 0.1W, 0603	0603
R2	1	365k	CRCW0402365KFKED	Vishay-Dale	RES, 365k ohm, 1%, 0.063W, 0402	0402
R3	1	0.01	ERJ-M1WSF10MU	Panasonic	RES, 0.01 ohm, 1%, 1W, 2512	2512
R4	1	51.1	CRCW040251R1FKED	Vishay-Dale	RES, 51.1 ohm, 1%, 0.063W, 0402	0402
R5, R14	2	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0k ohm, 1%, 0.063W, 0402	0402
R6	1	47.5k	CRCW040247K5FKED	Vishay-Dale	RES, 47.5k ohm, 1%, 0.063W, 0402	0402
R7	1	5.23k	CRCW04025K23FKED	Vishay-Dale	RES, 5.23k ohm, 1%, 0.063W, 0402	0402
R8	1	open			RES, open, 0805	0805
R9		8.25k	CRCW04028K25FKED	Vishay-Dale	RES, 8.25k ohm, 1%, 0.063W, 0402	0402
R10		13.0k	CRCW040213K0FKED	Vishay-Dale	RES, 13.0k ohm, 1%, 0.063W, 0402	0402
R11	1	86.6k	CRCW040286K6FKED	Vishay-Dale	RES, 86.6k ohm, 1%, 0.063W, 0402	0402
R12	•	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0 ohm, 5%, 0.063W, 0402	0402
R13	1	1.21k	CRCW04021K21FKED	Vishay-Dale	RES, 1.21k ohm, 1%, 0.063W, 0402	0402

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R15, R16	2	2.2k	CRCW04022K20JNED	Vishay-Dale	RES, 2.2k ohm, 5%, 0.063W, 0402	0402
R17	1	48.7k	CRCW040248K7FKED	Vishay-Dale	RES, 48.7k ohm, 1%, 0.063W, 0402	0402
R18	1	22.1k	CRCW040222K1FKED	Vishay-Dale	RES, 22.1k ohm, 1%, 0.063W, 0402	0402
R19, R20, R21, R22, R23	5	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100k ohm, 1%, 0.063W, 0402	0402
TP1	1	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
TP2	1	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
TP3, TP4, TP5	3	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Keystone5010
U1	1		TPS54340QDDAQ1	Texas Instruments	42 V Input, 3.5 A, Step Down DC-DC Converter with Ecomode, DDA0008E	DDA0008E
U2	1		INA213AQDCKRQ1	Texas Instruments	Voltage Output, High or Low Side Measurement, Bi- Directional Zero-Drift Series Current-Shunt Monitor, DCK0006A	DCK0006A
U3	1		TPS2546QRTERQ1	Texas Instruments	USB Charging Port Controller and Power Switch with Load Detection, RTE0016C	RTE0016C
U4	1		TPD2E001IDRLRQ1	Texas Instruments	Automotive Catalog Low-Capacitance + / - 15 kV ESD- Protection Array for High-Speed Data Inter, 2 Channels, -40 to +85 degC, 5-pin SOT (DRL), Green (RoHS & no Sb/Br)	DRL0005A

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