

Filename: PMP8851_REVA_BOM.xls

Variant: 001

Generated: 3/25/2013 10:20:52 AM

PMP8851 Rev A Bill Of Materials

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
!PCB	1		Printed Circuit Board		SAT0028 PCB	Any
C1, C10, C11	3	0.1uF	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0402	0402	GRM155R71C104KA88D	MuRata
C2, C3	2	1uF	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0805	0805	GRM21BR71H105KA12L	MuRata
C4, C5	2	22uF	CAP, CERM, 22uF, 6.3V, +/-20%, X5R, 0805	0805	C2012X5R0J226M	TDK
C7	1	330pF	CAP, CERM, 330pF, 50V, +/-5%, C0G/NP0, 0402	0402	C1005C0G1H331J	TDK
C8	1	0.01uF	CAP, CERM, 0.01uF, 16V, +/-10%, X7R, 0402	0402	C1005X7R1C103K	TDK
C9	1	10uF	CAP, CERM, 10uF, 6.3V, +/-20%, X5R, 0603	0603	C1608X5R0J106M	TDK
C101	1	47pF	CAP, CERM, 47pF, 25V, +/-5%, C0G/NP0, 0402	0402	GRM1555C1E470JA01D	MuRata
D1	1	0.7V	Diode, Schottky, 60V, 3A, SMA	SMA	B360A-13-F	Diodes Inc.
D2	1	39V	Diode, Zener, 22V, 300mW, SOD-523	SOD-523	MM5Z39VT1	ON Semiconductor
D3	1	SK24-TP	Diode, Schottky, 20V, 2A, SMB	SMB	SK24-TP	Micro Commercial Co
D4	1	Green	LED, Green, SMD	1.6x0.8x0.8mm	LTST-C190GKT	Lite-On
D100	1	15V	Diode, Zener, 22V, 300mW, SOD-523	SOD-523	MM5Z15VT1	ON Semiconductor
F1	1	2A	Fuse, Axial, Fast Acting, 2A			
FB1	1		Bead, SMD Ferrite, 26ohms @ 100MHz, 10mohm DC, 6A			
J1	1	C-292303-x	Connector, USB TH			
L1	1	22uH	Inductor, Shielded, Composite, 22uH, 3.4A, 0.1 ohm, SMD	XAL5050	XAL5050-223MEB	Coilcraft
Q1	1	MMDT3946	Transistor, Dual NPN, 60V, 200mA, 200mW			
Q2	1	60V	MOSFET, P-CH, 60V, -3A, SOT-23-6	SOT-23-6	FDC5614P	Fairchild Semiconductor
R1	1	11k	RES, 11k ohm, 5%, 0.063W, 0402	0402	CRCW040211K0JNED	Vishay-Dale
R2	1	200k	RES, 200k ohm, 1%, 0.063W, 0402	0402	CRCW0402200KFKED	Vishay-Dale
R3	1	499k	RES, 499k ohm, 1%, 0.063W, 0402	0402	CRCW0402499KFKED	Vishay-Dale
R4	1	20.0k	RES, 20.0k ohm, 1%, 0.063W, 0402	0402	CRCW040220K0FKED	Vishay-Dale
R5	1	3.01k	RES, 3.01k ohm, 1%, 0.063W, 0402	0402	CRCW04023K01FKED	Vishay-Dale
R6, R14	2	100k	RES, 100k ohm, 1%, 0.063W, 0402	0402	CRCW0402100KFKED	Vishay-Dale
R7	1	82.5k	RES, 82.5k ohm, 1%, 0.063W, 0402	0402	CRCW040282K5FKED	Vishay-Dale
R8	1	47.5k	RES, 47.5k ohm, 1%, 0.063W, 0402	0402	CRCW040247K5FKED	Vishay-Dale
R9	1	2.00k	RES, 2.00k ohm, 1%, 0.063W, 0402	0402	CRCW04022K00FKED	Vishay-Dale
R10, R12	2	1.00k	RES, 1.00k ohm, 1%, 0.063W, 0402	0402	CRCW04021K00FKED	Vishay-Dale
R13	1	0	RES, 0 ohm, 5%, 0.063W, 0402	0402	CRCW04020000Z0ED	Vishay-Dale
R15	1	22.1k	RES, 22.1k ohm, 1%, 0.063W, 0402	0402	CRCW040222K1FKED	Vishay-Dale
R16	1	34.0k	RES, 34.0k ohm, 1%, 0.063W, 0402	0402	CRCW040234K0FKED	Vishay-Dale
R200	1	1.00Meg	RES, 1.00Meg ohm, 1%, 0.063W, 0402	0402	CRCW04021M00FKED	Vishay-Dale
TP1	1	Red	Test Point, TH, Miniature, Red	Keystone5000	5000	Keystone
TP2	1	Black	Test Point, TH, Miniature, Black	Keystone5001	5001	Keystone
U1	1		IC REG BUCK ADJ 3.5A 8SO	eg: 0603, used in PnP report	TPS54340DDAR	Used in BOM report
U2	1		USMB Dedicated Charging Port Controller and Current Limiting Power Switch, DGN0008E	DGN0008E	TPS2511DGN	Texas Instruments
U3	1		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	TPD2E001IDRLRQ1	Texas Instruments

Notes:

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

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