

6/10/2013

PMP8948 REVC BOM

Designator	Qty	Value	Description	PackageReference	PartNumber	Manufacturer
C6, C10, C14	3	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H104K	TDK
C12	1	1uF	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	0603	C1608X7R1C105K	TDK
C8	1	470pF	CAP, CERM, 470pF, 50V, +/-5%, C0G, 0603	0603	C1608C0G1H471J	TDK
C11, C13	2	270pF	CAP, CERM, 270pF, 50V, +/-5%, C0G/NP0, 0603	0603	GRM1885C1H271JA01D	MuRata
C7	1	47pF	CAP, CERM, 47pF, 50V, +/-5%, C0G/NP0, 0603	0603	C1608C0G1H470J	TDK
C5	1	0.01uF	CAP, CERM, 0.01uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H103K	TDK
C9	1	0.022uF	CAP, CERM, 0.022uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H223K	TDK
C2, C3	2	4.7uF	CAP, CERM, 4.7uF, 50V, +/-20%, X7R, 1210	1210	C3225X7R1H475M250AB	TDK
C1	1	100uF	CAP, AL, 100uF, 50V, +/-20%, 0.18 ohm, SMD	SMT Radial F	EEF1P1H101AP	Panasonic
D1	1	0.63V	Diode, Schottky, 60V, 2A, SMB	SMB	MBRS260T3G	ON Semi
D2, D3	2	MMSZ5231B	Diode, Zener, 5.1V, 500mW, SOD-123	SOD-123	MMSZ5231B-7-F	Diodes Inc.
D4, D5	2	BAS16	Diode, Ultrafast, 75V, 0.3A, SOT-23	SOT-23	BAS16-7-F	Diodes Inc.
D6	1	39V	Diode, Zener, 39V, 500mW, SOD-123	SOD-123	MMSZ5259B-7-F	Diodes Inc.
D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32	26	Amber	LED, Amber, SMD	5x4.7	LA B6SP	OSRAM
J1	1		Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm	ED555/2DS	OST
J2, J3	2		Header, 100mil, 2x1, Tin plated, TH	Header, 2 PIN, 100mil, Tin	PEC02SAAN	Sullins Connector Solutions
L1	1	1uH	Inductor, Drum Core, Ferrite, 1uH, 2.6A, 0.06 ohm	ME3220	ME3220-102MLB	Coilcraft
L2	1	68uH	Inductor, Shielded, Ferrite, 68uH, 2.3A, 0.09 ohm	MSS1260	MSS1260-683MLB	Coilcraft
Q1	1	ALT PKG	MOSFET, N-CH	SON 5x6mm	open	TI
Q2	1	MMBT3904	Transistor, NPN, 40V, 0.2A, SOT-23	SOT-23	MMBT3904-7-F	Diodes Inc.
Q3	1	SQ3426EEV	MOSFET, N-CH, 60V, 7A, TSOP-6	TSOP-6	SQ3426EEV	Vishay
Q4, Q5	2	MMBT222A	TRANSISTOR, NPN, 500mA	SOT-23	MMBT222A	Fairchild

Designator	Qty	Value	Description	PackageReference	PartNumber	Manufacturer
R7	1	4.7	RES, 4.7 ohm, 5%, 0.1W, 0603	0603	CRCW06034R70JNEA	Vishay-Dale
R3	1	10	RES, 10 ohm, 1%, 0.1W, 0603	0603	CRCW060310R0JNEA	Vishay-Dale
R15	1	49.9	RES, 49.9 ohm, 1%, 0.1W, 0603	0603	CRCW060349R9FKEA	Vishay-Dale
R16	1	100	RES, 100 ohm, 1%, 0.1W, 0603	0603	CRCW0603100RFKEA	Vishay-Dale
R9	1	1.00k	RES, 1.00k ohm, 1%, 0.1W, 0603	0603	CRCW06031K00FKEA	Vishay-Dale
R100	1	10.0k	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	CRCW060320K0FKEA	Vishay-Dale
R8	1	20.0k	RES, 20.0k ohm, 1%, 0.1W, 0603	0603	CRCW060310K0FKEA	Vishay-Dale
R6	1	249k	RES, 249k ohm, 1%, 0.1W, 0603	0603	CRCW0603249KFKEA	Vishay-Dale
R2	1	3.74k	RES, 3.74k ohm, 1%, 0.1W, 0603	0603	CRCW06033K74FKEA	Vishay-Dale
R5, R11	2	33.2k	RES, 33.2k ohm, 1%, 0.1W, 0603	0603	CRCW060333K2FKEA	Vishay-Dale
R10	1	49.9k	RES, 49.9k ohm, 1%, 0.1W, 0603	0603	CRCW060349K9FKEA	Vishay-Dale
R14	1	open	RES, open, 1%, 0.1W, 0603	0603		Vishay-Dale
R4	1	20.0k	RES, 20.0k ohm, 1%, 0.125W, 0805	0805	CRCW080520K0FKEA	Vishay-Dale
R1, R12	2	0.1	RES, 0.1 ohm, 1%, 0.5W, 1206	1206	ERJ-8BWFR100V	Panasonic
R17, R18	2	2.4	RES, 2.4 ohm, 1%, 0.25W, 1206	1206	Std	Std
TP1, TP2, TP4, TP7, TP10, TP11	6	Red	Test Point, TH, Miniature, Red	Keystone5000	5000	Keystone
TP3, TP5, TP6, TP8	4	Black	Test Point, TH, Miniature, Black	Keystone5001	5001	Keystone
U1	1	INA169NA	IC, High-Side Current Shunt Monitor, 2.7V to 60V	SOT23-5	INA169NA	TI
U2	1	TPS40211DGQ	4.5 to 52 Vin Current Mode Boost Controller	DGQ0010D	TPS40211DGQ	TI
U3	1	TLV272ID	IC, 550 uA 3MHz R-R Output Op Amp	SO-8	TLV272ID	TI

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