

8/30/2013

PMP9052 REVB BOM

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
C10, C11, C13	3	1uF	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	0603	C1608X7R1C105K	TDK
C12, C15	2	100pF	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603	C1608C0G1H101J	TDK
C18	1	1800pF	CAP, CERM, 1800pF, 50V, +/-5%, NP0, 0603	0603	C1608C0G1H182J	TDK
C17	1	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H104K	TDK
C16	1	0.47uF	CAP, CERM, 0.47uF, 16V, +/-10%, X7R, 0603	0603	C1608X7R1C474K	TDK
C100, C101, C102, C103, C104, C105, C106, C107, C108, C109	10	22uF	CAP, CERM, 22uF, 25V, +/-20%, X5R, 1210	1210	TMK325BJ226MM-T	Taiyo Yuden
D101	1	30V	Diode, Schottky, 30V, 2A, SOD-128	SOD-128	PMEG3020EP	NXP
J3, J4	2		TERMINAL BLOCK 5.08MM VERT 2POS	TERM_BLK, 2pos, 5.08mm	ED120/2DS	OST
L2	1	15uH	Inductor, Shielded, Composite, 15uH, 13.8A, 0.0169 ohm, SMD	XAL1010	XAL1010-153ME	Coilcraft
Q1, Q2	2	30V	MOSFET, N-CH, 30V, SON 3x3mm	SON 3x3mm	CSD17551Q3A	Texas Instruments
Q100	1	60V	MOSFET, N-CH, 60V, 0.26A, SOT-23	SOT-23	2N7002ET1G	ON Semiconductor
R3	1	0.003	RES, 0.003ohm, 1%, 1W, 2512	2512	ERJ-M1WSF3M0U	Panasonic
R4, R5	2	10.0	RES, 10.0 ohm, 1%, 0.1W, 0603	0603	CRCW060310R0FKEA	Vishay-Dale
R10	1	49.9	RES, 49.9 ohm, 1%, 0.1W, 0603	0603	CRCW060349R9FKEA	Vishay-Dale
R7	1	169k	RES, 169k ohm, 1%, 0.1W, 0603	0603	CRCW0603169KFKEA	Vishay-Dale
R11	1	0	RES, 0 ohm, 5%, 0.1W, 0603	0603	CRCW06030000Z0EA	Vishay-Dale
R8, R9	2	4.7	RES, 4.7 ohm, 5%, 0.1W, 0603	0603	CRCW06034R70Z0EA	Vishay-Dale
R12	1	100k	RES, 100k ohm, 1%, 0.1W, 0603	0603	CRCW0603100KFKEA	Vishay-Dale
R13	1	8.87k	RES, 8.87k ohm, 1%, 0.1W, 0603	0603	CRCW06038K87FKEA	Vishay-Dale
R17	1	1k	RES, 1k ohm, 1%, 0.1W, 0603	0603	CRCW06031K00FKEA	Vishay-Dale
R100	1	60.4k	RES, 60.4k ohm, 1%, 0.1W, 0603	0603	CRCW060360K4FKEA	Vishay-Dale
R14	1	41.2k	RES, 41.2k ohm, 1%, 0.1W, 0603	0603	CRCW060341K2FKEA	Vishay-Dale
R16	1	576k	RES, 576k ohm, 1%, 0.1W, 0603	0603	CRCW0603576KFKEA	Vishay-Dale
TP1, TP3, TP4, TP7, TP8	5	Red	Test Point, TH, Miniature, Red	Keystone5000	5000	Keystone
TP5, TP6	2	Black	Test Point, TH, Miniature, Black	Keystone5001	5001	Keystone
U2	1		Low Quiescent Current Synchronous Boost DC-DC Controller with Wide VIN Range, RTE0016G	RTE0016G	TPS43061RTE	Texas Instruments

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