

Filename: BOM-PMP9476(001).xls

Variant: 001

Generated: 2/24/2015 7:53:46 PM

PMP9476

Designator	Description	Manufacturer	PartNumber	Quantity
C1, C2	CAP, AL, 47uF, 50V, +/-20%, 0.68 ohm, SMD	Panasonic	EEE-FK1H470XP	2
C3, CFF1, CFF2, CFF3	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	Kemet	C0805C104K1RACTU	4
C4, C12	CAP, AL, 68uF, 50V, +/-20%, 30 ohm, SMD	Panasonic	EEHZA1H680P	2
C5, C6, C13, C14	CAP, CERM, 4.7uF, 50V, +/-10%, X7R, 1206	MuRata	GRM31CR71H475KA12L	4
C7	CAP, CERM, 1000 pF, 50 V, +/- 5%, C0G/NP0, 0603	Kemet	C0603C102J5GAC	1
C8	CAP, CERM, 2200 pF, 50 V, +/- 10%, X7R, 0603	Kemet	C0603C222K5RAC	1
C9	CAP, CERM, 0.047 uF, 50 V, +/- 10%, X7R, 0603	TDK	C1608X7R1H473K	1
C10	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	TDK	C1608X7R1C105K	1
C11, C22	CAP, CERM, 100pF, 25V, +/-10%, X7R, 0603	AVX	06033C101KAT2A	2
C15	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0603	TDK	C1608X7R1C104K	1
C16, C17, C18	CAP, CERM, 47uF, 10V, +/-10%, X7R, 1210	MuRata	GRM32ER71A476KE15L	3
C19, C25	CAP, CERM, 10uF, 10V, +/-20%, X5R, 1206	TDK	C3216X5R1A106M	2
C20, C21	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	TDK	C1608X7R1H104K	2
C23	CAP, CERM, 4700pF, 100V, +/-5%, X7R, 0603	AVX	06031C472JAT2A	1
C24	CAP, CERM, 0.022uF, 50V, +/-10%, X7R, 0603	TDK	C1608X7R1H223K	1
CF1, CF2, CF3	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	MuRata	GRM32ER71H106KA12L	3
D1	Diode, TVS, Bi, 30 V, 400 W, SMA	Littelfuse	SMAJ30CA	1
D2	Diode, Zener, 5.6 V, 500 mW, SOD-123	Diodes Inc.	MMSZ5232B-7-F	1
D5	Diode, Schottky, 40V, 5A, SMC	Comchip Technology	CDBC540-G	1
GND, GND1, GND2, Vbat+, Vbat-, Vboost, Vin, Vout	Terminal, Turret, TH, Double	Keystone	1502-2	8
J1	Header, 100mil, 2x1, Gold, TH	Sullins Connector Solutions	UVLO EN	1
J2	Header, 100mil, 2x1, Gold, TH	Sullins Connector Solutions	FPWM	1
L1	Inductor, Shielded, Composite, 3.3 uH, 8.1 A, 0.02 ohm, SMD	Coilcraft	XAL5030-332MEB	1
L2	Inductor, Shielded Drum Core, Ferrite, 15uH, 5A, 0.024 ohm, SMD	Würth Elektronik eiSos	744770115	1
LF1	Inductor, Shielded Drum Core, Ferrite, 3.3 uH, 2.6 A, 0.031 ohm, SMD	Würth Elektronik eiSos	74408943033	1
LFF1	Coupled inductor, 11 uH, 2.5 A, 0.03 ohm, SMD	Würth Elektronik eiSos	744273102	1
Q1	MOSFET, P-CH, -20 V, -20 A, SON 2x2mm	Texas Instruments	CSD25310Q2	1
Q2	MOSFET, N-CH, 60V, 19A, SON 5x6mm	Texas Instruments	CSD18531Q5A	1
Q3	MOSFET, N-CH, 60 V, 0.26 A, SOT-23	ON Semiconductor	2N7002ET1G	1
R1	RES, 825, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603825RFKEA	1
R2, R9, R17, R21, R22, R25	RES, 10k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060310K0JNEA	6
R3	RES, 2.21k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06032K21FKEA	1
R4, R5, R10	RES, 2.00 k, 1%, 0.1 W, 0603, RES, 2.00k ohm, 1%, 0.1W, 0603, RES, 2.00k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06032K00FKEA	3
R6	RES, 19.6 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060319K6FKEA	1
R7	RES, 59.0k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060359K0FKEA	1
R8	RES, 86.6 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060386K6FKEA	1

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R11	RES, 0.01, 1%, 1 W, 1206	Vishay-Dale	WSLP1206R0100FEA	1
R12	RES, 8.25 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW06038K25FKEA	1
R13	RES, 10.5 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060310K5FKEA	1
R14, R16	RES, 0, 5%, 0.1 W, 0603	Vishay-Dale	CRCW06030000Z0EA	2
R15	RES, 4.99 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06034R99FKEA	1
R18	RES, 100k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100KFKEA	1
R20	RES, 33.0k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060333K0FKEA	1
R23	RES, 124k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603124KFKEA	1
R24	RES, 4.99k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06034K99FKEA	1
Sys EN	Test Point, Multipurpose, White, TH	Keystone	5012	1
U1	High Efficiency Low-Side N-Channel Controller for Switching Regulators, 10-pin MSOP	Texas Instruments	LM3481MM	1
U2	Automotive Catalog Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 125 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	Texas Instruments	TL432BQDBZRQ1	1
U3	3A Switching Regulator with High Efficiency Sleep Mode, 20-pin TSSOP-EP, Pb-Free	Texas Instruments	LM26003QMH/NOPB	1

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