

## PMP8943 REVA BOM

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
C12	1	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H104K	TDK
C7	1	0.033uF	CAP, CERM, 0.033uF, 25V, +/-10%, X5R, 0603	0603	C1608X5R1E333K	TDK
C9	1	1000pF	CAP, CERM, 1000pF, 50V, C0G/NP0, 0603	0603	C1608C0G2A102J	TDK
C11	1	1uF	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	0603	C1608X7R1C105K	TDK
C13, C14	2	270pF	CAP, CERM, 270pF, 50V, +/-5%, C0G/NP0, 0603	0603	GRM1885C1H271JA01D	MuRata
C10	1	47pF	CAP, CERM, 47pF, 50V, +/-5%, C0G/NP0, 0603	0603	C1608C0G1H470J	TDK
C1, C3, C5, C6	4	3.3uF	CAP, CERM, 4.7uF, 50V, +/-20%, X5R, 1210	1210	C3225X5R1H475M250AB	TDK
D1	1	MBRS3100T3G	Diode, Schottky, 100V, 3A, SMC	SMC	MBRS3100T3G	ON Semi
D2, D4	2	BAS16W-7-F	Diode, Switching, 75V, 0.15A, SOT-323	SOT-323	BAS16W-7-F	Diodes Inc.
D3, D5	2	5.1V	Diode, Zener, 5.1V, 500mW, SOD-123	SOD-123	MMSZ4689T1G	Diodes Inc.
D6	1	36V	Diode, Zener, 36V, 500mW, SOD-123	SOD-123	MMSZ5258B-7-F	Diodes Inc.
J1, J2	2		Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm	ED555/2DS	OST
L1	1	47uH	Coupled inductor, 47uH, 5.4A, 0.1 ohm, +/-20%, SMD	IND_14.8x8.6x14.8mm, SMD	MSD1583-473MEB	Coilcraft
Q1	1	BSC160N10NS3 G	MOSFET, N-CH, 100V, 42A, PG-TDSON-8	PG-TDSON-8	BSC160N10NS3 G	Infineon
Q2	1	0.2V	Transistor, NPN, 40V, 0.2A, SOT-23	SOT-23	MMBT3904-7-F	Diodes Inc.
Q3	1	2N7002ET1G	MOSFET, N-CH, 60V, 0.26A, SOT-23	SOT-23	2N7002ET1G	ON Semi
R5	1	4.7	RES, 4.7 ohm, 5%, 0.1W, 0603	0603	CRCW06034R70JNEA	Vishay-Dale
R1	1	10	RES, 10 ohm, 1%, 0.1W, 0603	0603	CRCW060310R0JNEA	Vishay-Dale
R2	1	100	RES, 100 ohm, 1%, 0.1W, 0603	0603	CRCW0603100RFKEA	Vishay-Dale
R6	1	1.00k	RES, 1.00k ohm, 1%, 0.1W, 0603	0603	CRCW06031K00FKEA	Vishay-Dale
R13, R14	2	10.0k	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	CRCW060310K0FKEA	Vishay-Dale
R4	1	13.3k	RES, 13.3k ohm, 1%, 0.1W, 0603	0603	CRCW060313K3FKEA	Vishay-Dale
R3	1	20.0k	RES, 20.0k ohm, 1%, 0.1W, 0603	0603	CRCW060320K0FKEA	Vishay-Dale
R15	1	205k	RES, 205k ohm, 1%, 0.1W, 0603	0603	CRCW0603205KFKEA	Vishay-Dale
R11, R12	2	33.2k	RES, 33.2k ohm, 1%, 0.1W, 0603	0603	CRCW060333K2FKEA	Vishay-Dale
R10	1	20.0k	RES, 20.0k ohm, 1%, 0.125W, 0805	0805	CRCW080520K0FKEA	Vishay-Dale
R8	1	0.5	RES, 0.5 ohm, 1%, 0.5W, 1206	1206	CSR1206FKR500	Stackpole
R7	1	0.025	RES, 0.025 ohm, 1%, 0.5W, 1210	1210	Std	Std
TP1, TP3, TP5, TP6, TP8, TP9	6	Red	Test Point, TH, Miniature, Red	Keystone5000	5000	Keystone
TP2, TP4, TP7, TP10	4	Black	Test Point, TH, Miniature, Black	Keystone5001	5001	Keystone
U1	1	TPS40211DSG	4.5 to 52 Vin Current Mode Boost Controller	DGQ0010D	TPS40211DGQ	Texas Instruments

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