

PMP9079 REVA BOM

Designator	Qty	Value	Description	Package	PartNumber	Mfr
C15	1	0.01uF	CAP, CERM, 0.01uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H103K	TDK
C13, C17	2	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H104K	TDK
C16	1	18pF	CAP, CERM, 18pF, 50V, +/-5%, C0G/NP0, 0603	0603	C1608C0G1H180J	TDK
C18	1	1uF	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	0603	C1608X7R1C105K	TDK
C12, C19	2	270pF	CAP, CERM, 270pF, 50V, +/-5%, C0G/NP0, 0603	0603	GRM1885C1H271JA01D	MuRata
C14	1	560pF	CAP, CERM, 560pF, 50V, +/-5%, C0G/NP0, 0603	0603	C1608C0G1H561J	TDK
C1, C2	2	4.7uF	CAP, CERM, 4.7uF, 50V, +/-20%, X7R, 1210	1210	C3225X7R1H475M250AB	TDK
C8	1	4.7uF	CAP, CERM, 4.7uF, 50V, +/-20%, X5R, 1210	1210	C3225X5R1H475M250AB	TDK
C4, C9, C10, C11	4	DNP	CAP, Alternate footprint, SMT, F12	10x10.3	DNP	OSCON
C3, C5, C6	3	270uF	CAP, AL, 270uF, 50V, +/-20%, TH	10x20	EEU-FM1H271	Panasonic
C7	1	DNP	CAP, AL, 270uF, 50V, +/-20%, TH	10x20	DNP	Panasonic
D1	1	SBR10U45SP5	Diode, Super Barrier Rectifier, 45V, 10A, PowerDI5	PowerDI5	SBR10U45SP5	Diodes Inc.
D2	1	18V	Diode, Zener, 18V, 500mW, SOD-123	SOD-123	MMSZ5248B	Diodes Inc.
D3	1	6.8V	Diode, Zener, 6.8V, 500mW, SOD-123	SOD-123	MMSZ5235B	Diodes Inc.
J1, J2	2		Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm	ED555/2DS	OST
J3	1	GND	Header, 100mil, 2x1, Tin plated, TH	Header, 2 PIN, 100mil, Tin	PECO2SAAN	Sullins
L1	1	10uH	Inductor, Shielded, Powdered Iron, 10uH, 6.8A, 36.5 ohm, SMD	IHLP-4040DZ	IHLP4040DZER100M01	Vishay-Dale
L2	1	10uH	Inductor, Shielded, Ferrite, 10uH, 5.2A, 0.029 ohm, SMD	10x6x9.8mm	SRN1060-100M (DNP)	Bourns
L3	1	10uH	Inductor, Shielded Drum Core, Ferrite, 10uH, 5.2A, 0.0173 ohm, SMD	12.2x8x12.2mm	P1172.103NL (DNP)	Pulse
Q1	1	SIR836DP	MOSFET, N-CH, 40V, 21A, PowerPAK SO-8	PowerPAK SO-8	SIR836DP	Vishay
Q2	1	MMBT3904	Transistor, NPN, 40V, 0.2A, SOT-23	SOT-23	MMBT3904	Diodes Inc.
R6	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
R14	1	49.9	RES, 49.9 ohm, 1%, 0.1W, 0603	0603	CRCW060349R9FKEA	Vishay-Dale
R7	1	1.00k	RES, 1.00k ohm, 1%, 0.1W, 0603	0603	CRCW06031K00FKEA	Vishay-Dale
R10, R13	2	100k	RES, 100k ohm, 1%, 0.1W, 0603	0603	CRCW0603100KFKEA	Vishay-Dale
R2	1	154k	RES, 154k ohm, 1%, 0.1W, 0603	0603	CRCW0603154KFKEA	Vishay-Dale
R15	1	2.21k	RES, 2.21k ohm, 1%, 0.1W, 0603	0603	CRCW06032K21FKEA	Vishay-Dale
R4, R5	2	20.0k	RES, 20.0k ohm, 1%, 0.1W, 0603	0603	CRCW060320K0FKEA	Vishay-Dale
R3	1	249k	RES, 249k ohm, 1%, 0.1W, 0603	0603	CRCW0603249KFKEA	Vishay-Dale
R8	1	33.2k	RES, 33.2k ohm, 1%, 0.1W, 0603	0603	CRCW060333K2FKEA	Vishay-Dale
R9	1	0.015	RES, 0.015 ohm, 1%, 0.5W, 1206	1206	CSR1206FK15L0	Stackpole
R11, R12	2	10.0	RES, 10.0 ohm, 1%, 0.25W, 1206	1206	CRCW120610R0FKEA	Vishay-Dale
TP1, TP2, TP5, TP6, TP8, TP9	6	Red	Test Point, TH, Miniature, Red	5000	5000	Keystone
TP3, TP4, TP7	3	Black	Test Point, TH, Miniature, Black	5001	5001	Keystone
U1	1	TPS40210DGQ	4.5-V TO 52-V INPUT CURRENT MODE BOOST CONTROLLER, DGQ0010D	DGQ0010D	TPS40210DGQ	TI

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