

PMP10004_RevB BOM

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
C1	1	0.1uF	CAP, CERM, 0.1uF, 16V, +/-5%, X7R, 0603	0603	0603YC104JAT2A	AVX
C2	1	10uF	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	1210	GRM32ER71H106KA12L	MuRata
C3, C11	2	0.1uF	CAP, CERM, 0.1uF, 50V, +/-5%, X7R, 0805	0805	08055C104JAT2A	AVX
C4	1	100uF	Capacitor, Alum Electrolytic xx V, ±20%	10.00 mm Dia	EKZE500ELL101MHB5D	Nippon
C5	1	4700pF	CAP, CERM, 4700pF, 50V, +/-5%, X7R, 0603	0603	C0603C472J5RACTU	Kemet
C6	1	DNP	CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference]	0603	Used in BOM report	Used in BOM report
C7, C15, C16	3	47pF	CAP, CERM, 47pF, 50V, +/-5%, C0G/NP0, 0603	0603	06035A470JAT2A	AVX
C8	1	220uF	CAP, AL, 220uF, 10V, +/-20%, 0.3 ohm, SMD	SMT Radial F	EEE-FC1A221P	Panasonic
C9, C10	2	47uF	CAP, CERM, 47uF, 10V, +/-10%, X7R, 1210	1210	GRM32ER71A476KE15L	MuRata
C12	1	1500pF	CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0603	0603	C0603C152K5RACTU	Kemet
C13	1	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	06035C104KAT2A	AVX
C14	1	0.01uF	CAP, CERM, 0.01uF, 50V, +/-5%, X7R, 0603	0603	C0603C103J5RACTU	Kemet
D1	1		Diode, Schottky, xxV, xxA, [PackageReference]	Used in PnP output	MBRS360	Used in BOM report
J1, J2	2		Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm	ED555/2DS	On-Shore Technology
L1	1	18uH	Inductor, Shielded Drum Core, Ferrite, 18uH, 3.52A, 0.05 ohm, SMD	MSS1246	MSS1246-183MLB	Coilcraft
R1, R11	2	49.9k	RES, 49.9k ohm, 1%, 0.1W, 0603	0603	CRCW060349K9FKEA	Vishay-Dale
R2	1	0	RES, 0 ohm, 5%, 0.1W, 0603	0603	RC0603JR-070RL	Yageo America
R3	1	DNP	RES, xxx ohm, x%, xW, [PackageReference]	0805	Used in BOM report	Used in BOM report
R4	1	49.9	RES, 49.9 ohm, 1%, 0.1W, 0603	0603	CRCW060349R9FKEA	Vishay-Dale
R5	1	261k	RES, 261k ohm, 1%, 0.1W, 0603	0603	CRCW0603261KFKEA	Vishay-Dale
R6	1	DNP	RES, xxx ohm, x%, xW, [PackageReference]	0603	Used in BOM report	Used in BOM report
R7, R15	2	10.0k	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	CRCW060310K0FKEA	Vishay-Dale
R8	1	15.0k	RES, 15.0k ohm, 1%, 0.1W, 0603	0603	CRCW060315K0FKEA	Vishay-Dale
R9	1	499	RES, 499 ohm, 1%, 0.1W, 0603	0603	CRCW0603499RFKEA	Vishay-Dale
R10	1	54.9k	RES, 54.9k ohm, 1%, 0.1W, 0603	0603	CRCW060354K9FKEA	Vishay-Dale
R12	1	4.99k	RES, 4.99k ohm, 1%, 0.1W, 0603	0603	CRCW06034K99FKEA	Vishay-Dale
R13	1	1.91k	RES, 1.91k ohm, 1%, 0.1W, 0603	0603	CRCW06031K91FKEA	Vishay-Dale
R14	1	9.53k	RES, 9.53k ohm, 1%, 0.1W, 0603	0603	CRCW06039K53FKEA	Vishay-Dale
TP1, TP2, TP3, TP4, TP5, TP7	6	Red	Test Point, Miniature, Red, TH	Red Miniature Testpoint	5000	Keystone
TP6, TP8, TP9	3	Black	Test Point, Miniature, Black, TH	Black Miniature Testpoint	5001	Keystone
U1	1	TPS54362QPWPRQ1	IC, 3A, 60V STEP DOWN DC/DC CONVERTER WITH LOW Iq	PWP20	TPS54362QPWPRQ1	TI

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