

PMP8657 Rev_B BOM

Quantity	Designator	Value	Description	PackageReference	PartNumber	Manufacturer
2	C1, C2	1uF	CAP, CERM, 1uF, 100V, +/-20%, C Series, 1206	1206	C3216X7R2A105M	TDK
1	C10	0.022uF	CAP, CERM, 0.022uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H223K	TDK
1	C11	0.33uF	CAP, CERM, 0.33uF, 16V, +/-10%, X7R, 0603	0603	C0603C334K4RACTU	Kemet
1	C12	56pF	CAP, CERM, 56pF, 50V, +/-5%, C0G/NP0, 0603	0603	C1608C0G1H560J	TDK
1	C13	10nF	CAP, CERM, 10nF, 50V, +/-5%, C0G/NP0, 0603	0603	C0603C103K1RACTU	Kemet
1	C14	0.056uF	CAP, CERM, 0.056uF, 16V, +/-10%, X7R, 0603	0603	GRM188R71C563KA01D	MuRata
1	C3	0.022uF	CAP, CERM, 0.022uF, 100V, +/-10%, X7R, 0603	0603	C1608X7R2A223K	TDK
3	C4, C5, C6	22uF	CAP, CERM, 22uF, 25V, +/-20%, X5R, 1210	1210	CGA6P1X7R1C226M250AC	TDK
1	C7	3.3uF	CAP, CERM, 3.3uF, 25V, +/-10%, X7R, 0805	0805	GRM21BR71E335KA73L	MuRata
1	C8	100pF	CAP, CERM, Safety,1000pF, 250V, +/-10%, X1Y2, 1808	1808	GA342DR7GF102KW02L	Vishay-Vitramon
1	C9	100pF	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603	C1608C0G1H101J	TDK
1	D1	MBRA340	Diode, Schottky, 40V, 3A, SMA	SMA	MBRA340T3G	ON Semiconductor
1	D2	STPS1150	Diode, Schottky, 30V, 1A, SMA	SMA	STPS1150	ST
1	D3	BAV21W	Diode, Switching, 200V, 0.2A, SOD-123	SOD-123	BAV21W-7-F	Diodes Inc.
1	Q1	FDT86246	MOSFET, N-CH, 150V, 1.7A, SOT-223	SOT-223	FDT86246	Fairchild
1	R1	56k	RES, 56k ohm, 5%, 0.25W, 1206	1206	CRCW120656K0JNEA	Vishay-Dale
2	R10, R13	53.6k	RES, 53.6k ohm, 1%, 0.1W, 0603	0603	CRCW060353K6FKEA	Vishay-Dale
1	R11	6.81k	RES, 6.81k ohm, 1%, 0.1W, 0603	0603	CRCW06036K81FKEA	Vishay-Dale
1	R12	2.21k	RES, 2.21k ohm, 1%, 0.1W, 0603	0603	CRCW06032K21FKEA	Vishay-Dale
1	R14	11.5k	RES, 11.5k ohm, 1%, 0.1W, 0603	0603	CRCW060311K5FKEA	Vishay-Dale
2	R2, R3	100k	RES, 100k ohm, 1%, 0.1W, 0603	0603	CRCW0603100KFKEA	Vishay-Dale
2	R4, R6	10.0	RES, 10.0 ohm, 1%, 0.1W, 0603	0603	CRCW060310R0FKEA	Vishay-Dale
1	R5	49.9	RES, 49.9 ohm, 1%, 0.1W, 0603	0603	CRCW060349R9FKEA	Vishay-Dale
1	R7	1.00k	RES, 1.00k ohm, 1%, 0.1W, 0603	0603	CRCW06031K00FKEA	Vishay-Dale
1	R8	0.51	RES, 0.51 ohm, 1%, 0.125W, 0805	0805	CRM0805-FX-R510ELF	Bourns
1	R9	16.5k	RES, 16.5k ohm, 1%, 0.1W, 0603	0603	CRCW060316K5FKEA	Vishay-Dale
1	T1	70uH	Flyback Transformer, 15W, SMD	POE13P	HM110-15W5VLF	TT Electronics
2	TP1, TP3	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
2	TP2, TP4	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
1	TP5	5012	Test Point, White, Thru Hole	0.125 x 0.125 inch	5012	Keystone
1	U1	LM5021MM-2	AC-DC Current Mode PWM Controller, 8-pin MSOP	MUA08A	LM5021MM-2	Texas Instruments
1	U2	TCMT1107	IC, Photocoupler	MF4	TCMT1107	Vishay
1	U3	LMV431B	Low-Voltage (1.24V) Adjustable Precision Shunt Regulators, 3-pin SOT-23	MF03A	LMV431BIMFX	Texas Instruments

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