

PMP9435 BOM List

Designator	Value	Package Reference	Description	Manufacturer	PartNumber	Quantity
Ccm	1uF	0603	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	TDK	C1608X7R1E105K080AB	1
Cf	100pF	0603	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	AVX	06035A101JAT2A	1
Cin1	2.2uF	1210	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	Taiyo Yuden	HMK325B7225KN-T	1
Cin2, Cin3	2.2uF	1210	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	Taiyo Yuden	HMK325B7225KN-T	2
Cis	1000pF	0805	CAP, CERM, 1000pF, 250V, +/-5%, C0G/NP0, 0805	TDK	C2012C0G2E102J	1
CL, Csoft	1uF	0603	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	TDK	C1608X7R1C105K	2
Co1, Co2	330uF	8x10	CAP, OS-CON, 330uF, 10V, +/-20%, 0.017 ohm, 8x10 SMD	Sanyo	10SVP330M	2
Co3, Co4	10uF	0805	CAP, CERM, 10uF, 10V, +/-10%, X7R, 0805	MuRata	GRM21BR71A106KE51L	2
Copto	1uF	0603	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	TDK	C1608X7R1C105K	1
Cp	100pF	0603	CAP, CERM, 100pF, 25V, +/-10%, X7R, 0603	AVX	06033C101KAT2A	1
Css	0.01uF	0603	CAP, CERM, 0.01uF, 25V, +/-5%, C0G/NP0, 0603	TDK	C1608C0G1E103J	1
Cvcc	10uF	1206	CAP, CERM, 10uF, 25V, +/-10%, X7R, 1206	MuRata	GRM31CR71E106KA12L	1
Cvin	1uF	1206	CAP, CERM, 1uF, 100V, +/-20%, C Series, 1206	TDK	C3216X7R2A105M	1
Cz	0.47uF	0603	CAP, CERM, 0.47uF, 10V, +/-10%, X5R, 0603	MuRata	GRM188R61A474KA61D	1
Cc, Rc		0805	CAP, CERM, 470pF, 50V, +/-10%, X7R, 0805, RES, 121 ohm, 1%, 0.125W, 0805	AVX, Vishay-Dale	08055C471KAT2A, CRCW0805121RFKEA	2
Db, Dt		SMB	Diode, Schottky, 100V, 1A, SMB, Diode, Zener, 20V, 550mW, SMB	ON Semiconductor	MBRS1100T3G, 1SMB5932BT3G	2
Do	45V	DDPAK	Diode, Schottky, 45V, 15A, DDPK	Diodes Inc.	MBRB1545CT-T	1
Dsb, Dst, Dvin	1.25V	SOD-123	Diode, Ultrafast, 100V, 0.15A, SOD-123	Diodes Inc.	1N4148W-7-F	3
Q1	150V	PowerPAK SO-8	MOSFET, N-CH, 100V, 60A, PowerPAK SO-8	Vishay-Siliconix	SI7178DP	1
R7	0.11	2512	RES, 0.11 ohm, 1%, 2W, 2512	TE Connectivity	RLP73K3AR11FTDF	1
Rcm, Rf, Ropto	1.00k	0603	RES, 1.00k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031K00FKEA	3
Rfbb	1.82k	0603	RES, 1.82k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031K82FKEA	1
Rfbbp	2.05k	0603	RES, 2.05k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06032K05FKEA	1
Rfbt, Rsoft	3.01k	0603	RES, 3.01k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06033K01FKEA	2
Ris	0	0805	RES, 0 ohm, 5%, 0.125W, 0805	Vishay-Dale	CRCW08050000Z0EA	1
RL	10	0805	RES, 10 ohm, 5%, 0.125W, 0805	Vishay-Dale	CRCW080510R0JNEA	1
Rlg	10.0	0603	RES, 10.0 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060310R0FKEA	1
RT	49.9k	0603	RES, 49.9k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060349K9FKEA	1
Ruv1	21.0k	0805	RES, 21.0k ohm, 1%, 0.125W, 0805	Vishay-Dale	CRCW080521K0FKEA	1
Ruv2	3.48k	0603	RES, 3.48k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06033K48FKEA	1
Rvin	3.32	1206	RES, 3.32 ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW12063R32FKEA	1
Rz	4.75k	0603	RES, 4.75k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06034K75FKEA	1

Designator	Value	Package Reference	Description	Manufacturer	PartNumber	Quantity
T2			Planar Transformer	GCI	G144036LF	1
TP1	Double	Keystone1503-2	Terminal, Turret, TH, Double	Keystone	1503-2	1
TP2	Double	Keystone1503-2	Terminal, Turret, TH, Double	Keystone	1503-2	1
TP3	Double	Keystone1503-2	Terminal, Turret, TH, Double	Keystone	1503-2	1
TP4	Double	Keystone1503-2	Terminal, Turret, TH, Double	Keystone	1503-2	1
TP5	Yellow	Yellow Multipurpose Testpoint	Test Point, Multipurpose, Yellow, TH	Keystone	5014	1
TP6	Yellow	Yellow Multipurpose Testpoint	Test Point, Multipurpose, Yellow, TH	Keystone	5014	1
U1	LM5022	MUB10A	60V Low Side Controller for Boost and SEPIC, 10-pin MSOP	Texas Instruments	LM5022MM	1
U2	PS2501L	OPTO	High Isolation Voltage Single Transistor Type OptoCoupler	California Eastern Laboratories	PS2501L-1-A	1
U3	LMV431	MF05A	Low-Voltage (1.24V) Adjustable Precision Shunt Regulator, 5-pin SOT-23	Texas Instruments	LMV431ACM5	1

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