

## PMP31279 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2, C3	3	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, 1210	1210
C5	1	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805	805
C6	1	1uF	GRM21BR71A105KA01L	MuRata	CAP, CERM, 1 uF, 10 V, +/- 10%, X7R, 0805	805
C7	1	1000pF	GRM188R71H102KA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	603
C8	1	100uF	EEE-FC1H101P	Panasonic	CAP, AL, 100 uF, 50 V, +/- 20%, 0.3 ohm, SMD	SMT Radial G
C9	1	220uF	HHXC250ARA221MHA0G	Chemi-Con	CAP, Aluminum Polymer, 220 uF, 25 V, +/- 20%, 0.027 ohm, AEC-Q200 Grade 2, D8xL10mm SMD	D8xL10mm
C11	1	0.1uF	GRM155R71H104ME14D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 20%, X7R, 0402	402
C12	1	10uF	GRM32DR71E106KA12L	MuRata	CAP, CERM, 10 uF, 25 V, +/- 10%, X7R, 1210	1210
C13	1	1000pF	GRM155R61E102KA01D	MuRata	CAP, CERM, 1000 pF, 25 V, +/- 10%, X5R, 0402	402
C14	1	0.1uF	GRM155R71C104KA88D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402	402
C15	1	3300pF	GRM188R71E332KA01D	MuRata	CAP, CERM, 3300 pF, 25 V, +/- 10%, X7R, 0603	603
C16, C101	2	0.33uF	GRM188R71A334KA61D	MuRata	CAP, CERM, 0.33 uF, 10 V, +/- 10%, X7R, 0603	603
D1, D2	2	100V	BAS16LT1G	ON Semiconductor	Diode, Switching, 100 V, 0.2 A, SOT-23	SOT-23
D3	1	60V	PDS560-13	Diodes Inc.	Diode, Schottky, 60 V, 5 A, PowerDI5	PowerDI5
J1, J2	2		ED120/2DS	On-Shore Technology	Terminal Block, 5.08 mm, 2x1, Brass, TH	2x1 5.08 mm Terminal Block
J3	1		TSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	2x1 Header
J4	1		TSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	3x1 Header
L1	1	2.2uH	MSD1514-223MEB	Coilcraft	Coupled inductor, 22 uH, 11 A, 0.031 ohm, SMD	15x15mm
Q1	1	60V	SQJA60EP	Vishay-Siliconix	MOSFET, N-CH, 60 V, 30 A, AEC-Q101, PowerPAK_SO-8L	PowerPAK_SO-8L
R1	1	1	CRCW08051R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.125 W, 0805	805
R2, R5	2	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R3	1	261k	CRCW0603261KFKEA	Vishay-Dale	RES, 261 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R4	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R6	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	603
R7	1	60.4k	CRCW060360K4FKEA	Vishay-Dale	RES, 60.4 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R8	1	0.015	CSR1206FK15L0	Stackpole Electronics Inc	RES, 0.015, 1%, 0.5 W, 1206	1206
R10	1	86.6k	CRCW060386K6FKEA	Vishay-Dale	RES, 86.6 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R11	1	71.5k	CRCW060371K5FKEA	Vishay-Dale	RES, 71.5 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R12	1	5.49k	CRCW06035K49FKEA	Vishay-Dale	RES, 5.49 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R13, R101	2	6.49k	CRCW06036K49FKEA	Vishay-Dale	RES, 6.49 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
TP1, TP2	2		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP3, TP6	2		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP4	1		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
TP5	1		5014	Keystone	Test Point, Multipurpose, Yellow, TH	Yellow Multipurpose Testpoint
U1	1		LM51561QDSSRQ1	Texas Instruments	2.2-MHz Wide VIN 65-V Non-synchronous Boost/SEPIC/Flyback Controller with Dual Random Spread Spectrum	WSO12

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