

## PMP22529 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP22529	Any	Printed Circuit Board	
C1	1	0.047uF	B32642B0473J	TDK	0.047µF Film Capacitor 600V 1000V (1kV) Polypropylene (PP), Metallized Radial	RADIAL
C2	1	0.47uF	B32914A5474M000	TDK	CAP, Film, 0.47 uF, 1000 V, +/- 20%, TH	31.5x12.5mm
C3, C4	2	47uF	450TXW47MEFC16X25	Rubycon	CAP, AL, 47 µF, 450 V, +/- 20%, TH	D16xL25mm
C5	1	1000pF	GRM31BR72J102KW01L	MuRata	CAP, CERM, 1000 pF, 630 V, +/- 10%, X7R, 1206	1206
C6	1	10uF	GRM21BR6YA106KE43L	MuRata	CAP, CERM, 10 uF, 35 V, +/- 10%, X5R, 0805	0805
C7, C8	2	2200pF	VY2222M35Y5UG6TV5	Vishay-Bccomponents	CAP, CERM, 2200 pF, X1 440 VAC/Y2 300 VAC, +/- 20%, Y5U, Body9x5mm	Body9x5mm
C9	1	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805	0805
C10	1	100uF	50ZLJ100MT78X11.5	Rubycon	CAP, AL, 100 uF, 50 V, +/- 20%, 0.12 ohm, TH	CAP, 8x11.5mm
C11	1	1500uF	EKZE250ELL152MK25S	Chemi-Con	CAP, AL, 1500 uF, 25 V, +/- 20%, TH	D12.5xL25mm
C12	1	0.1uF	GRM21BR71H104KA01L	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0805	0805
C13	1	0.1uF	GRM21BR71E104KA01L	MuRata	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0805	0805
D1	1	1000V	GBJ2510-F	Diodes Inc.	Diode, Switching-Bridge, 1000 V, 25 A, TH	Diode Bridge, TH
D2	1	30V	BAT54HT1G	ON Semiconductor	Diode, Schottky, 30 V, 0.2 A, SOD-323	SOD-323
D3	1	1000V	US1M-13-F	Diodes Inc.	Diode, Ultrafast, 1000 V, 1 A, SMA	SMA
D4	1	200V	BAV21W-7-F	Diodes Inc.	Diode, Switching, 200 V, 0.2 A, SOD-123	SOD-123
D5	1	100V	1N4148W-7-F	Diodes Inc.	Diode, Ultrafast, 100 V, 0.15 A, SOD-123	SOD-123
D6	1	20V	MMSZ5250B-7-F	Diodes Inc.	Diode, Zener, 20 V, 500 mW, SOD-123	SOD-123
D7	1	200V	ES2D-13-F	Diodes Inc.	Diode, Ultrafast, 200 V, 2 A, SMB	SMB
D8	1	200V	MUR820G	ON Semiconductor	Diode, Ultrafast, 200 V, 8 A, TH	TO-220AC
F1	1		047706.3MXEP	Littelfuse		AXIAL
H1, H2, H3, H4	4		4820	Keystone		1 inch Nylon Hex Standoff
J1	1		1757268	Phoenix Contact	Header (shrouded), 5.08 mm, 4x1, R/A, TH	Header (shrouded), 5.08mm, 4x1, R/A, TH
L1	1	470uH	744107	Wurth Elektronik	Inductor, Toroid, Powdered Iron, 470 uH, 0.5 A, 0.7 ohm, TH	22.5x12mm
Q1	1	1700V	C2M1000170D	Cree	MOSFET, N-CH, 1700 V, 5 A, TO-247	TO-247
R1, R2, R3, R4, R5, R6	6	1.0Meg	CRCW12061M00JNEA	Vishay-Dale	RES, 1.0 M, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R7	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R8	1	10.0	CRCW040210R0FKED	Vishay-Dale	RES, 10.0, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R9	1	953	CRCW0402953R0FKED	Vishay-Dale	RES, 953, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R10	1	100k	CRCW0402100K0FKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R11	1	0.82	CSR1206FTR820	Stackpole Electronics Inc	RES, 0.82, 1%, 0.5 W, 1206	1206
R12	1	49.9k	CRCW040249K9FKED	Vishay-Dale	RES, 49.9 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R13	1	22	CRCW040222R0JNED	Vishay-Dale	RES, 22, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R14, R15	2	47k	CRCW120647K0JNEA	Vishay-Dale	RES, 47 k, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R16	1	15.4k	CRCW040215K4FKED	Vishay-Dale	RES, 15.4 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R17	1	26.1k	CRCW040226K1FKED	Vishay-Dale	RES, 26.1 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R18	1	29.4k	CRCW040229K4FKED	Vishay-Dale	RES, 29.4 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R19	1	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
R20	1	24k	CRCW120624K0JNEA	Vishay-Dale	RES, 24 k, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
T1	1		RLTI-1359	Renco Electronics	FLYBACK FOR PMP22529	PTH_XFRMR_0IN57_0IN87

<b>Designator</b>	<b>Quantity</b>	<b>Value</b>	<b>PartNumber</b>	<b>Manufacturer</b>	<b>Description</b>	<b>PackageReference</b>
TP1	1		5127	Keystone	Test Point, Multipurpose, Blue, TH	Blue Multipurpose Testpoint
TP2	1		5125	Keystone	Test Point, Multipurpose, Brown, TH	Brown Multipurpose Testpoint
TP3	1		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP4	1		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP5	1		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP6	1		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
TP7	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U1	1		UCC28730DR	Texas Instruments	Zero Standby PSR Flyback Controller with CVCC and Wake-Up Monitoring, D0007A (SOIC-7)	D0007A

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