

PMP21927 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP21927	Any	Printed Circuit Board	
C1	1	0.1uF	R474I310050A1K	Kemet	CAP, Film, 0.1 µF, X1 440 VAC, +/- 10%, AEC-Q200 Grade 1, TH	18x11mm
C2, C14, C15, C17, C20, C21	6	10uF	CGA5L1X7R1H106K160AC	TDK	CAP, CERM, 10 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C3, C18, C19	3	0.1uF	C1608X7R1E104K080AA	TDK	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	0603
C4	1	47uF	UCS2G470MHD	Nichicon	CAP, AL, 47 uF, 400 V, +/- 20%, TH	16x25
C5	1	330pF	GRM155R71H331KA01D	MuRata	CAP, CERM, 330 pF, 50 V, +/- 10%, X7R, 0402	0402
C7, C8	2	1000pF	VY1102M35Y5UQ63V0	Vishay-Bccomponents	CAP, CERM, 1000 pF, X1 760 VAC/Y1 500 VAC, +/- 20%, Y5U, 9x5mm	9x5mm
C11, C12	2	47uF	EEUFC1C470	Panasonic	CAP, AL, 47 uF, 16 V, +/- 20%, 0.8 ohm, AEC-Q200 Grade 2, TH	D5xL11mm
C13, C16	2	470uF	860080375014	Würth Elektronik	CAP, AL, 470 µF, 16 V, +/- 20%, TH	TH, 2-Leads, Dia 10mm, Pin Spacing 5mm
D1	1	100V	PMEG10010ELRX	Nexperia	Diode, Schottky, 100 V, 1 A, AEC-Q101, SOD-123W	SOD-123W
D2	1	600V	KBP06G	Diodes Inc.	Diode, Switching-Bridge, 600 V, 1.5 A, TH	Diode Bridge
D3	1	200V	SMCJ200A	Littelfuse	Diode, TVS, Uni, 200 V, 324 Vc, SMC	SMC
D4	1	1000V	US1M-13-F	Diodes Inc.	Diode, Ultrafast, 1000 V, 1 A, SMA	SMA
D5	1	200V	MBRD10200CT-13	Diodes Inc.	Diode, Schottky, 200 V, 5 A, DPAK	DPAK
D6, D7	2	200V	ES1D-13-F	Diodes Inc.	Diode, Ultrafast, 200 V, 1 A, SMA	SMA
H1, H2, H3, H4	4		4826	Keystone		KEYSTONE_4826
J1	1		770W-X2/10	Qualtek Electronics Corporatio	AC Receptacle, 2.5A, R/A, TH	AC, Reception 14.5x15x22 mm
J2	1		691214310002	Würth Elektronik	Terminal Block, 2x1, 3.81mm, 24-16 AWG, 10A, 300VAC, TH	2x1 Terminal Block
L1	1	5mH	744821150	Würth Elektronik	Coupled inductor, 5 mH, 0.22 ohm, TH	15 x 18 x 7.5mm
L2	1	140uH	7447031	Würth Elektronik	Inductor, Toroid, Powdered Iron, 140 uH, 1 A, 0.11 ohm, TH	D13.5xH7mm
Q1	1	700V	IPN70R360P7SATMA1	Infineon Technologies	MOSFET, N-CH, 700 V, 12.5 A, PG-SOT223	PG-SOT223
R1	1	47.5k	CRCW060347K5FKEA	Vishay-Dale	RES, 47.5 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R2	1	28.7k	CRCW060328K7FKEA	Vishay-Dale	RES, 28.7 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R3	1	1.0	CRCW06031R00JNEA	Vishay-Dale	RES, 1.0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R4	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R5	1	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R8	1	2.15k	CRCW06032K15FKEA	Vishay-Dale	RES, 2.15 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R9	1	0.75	CSRN2010FKR750	Stackpole Electronics Inc	RES, 0.75, 1%, 1 W, 2010	2010
T1	1		750318302	Würth Electronics	TRANSFORMER	TRANS_PTH_33MM0 26MM3
TP1	1		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
TP2	1		5125	Keystone	Test Point, Multipurpose, Brown, TH	Brown Multipurpose Testpoint
TP3, TP7, TP8, TP10	4		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP4, TP6, TP9, TP11	4		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U1	1		UCC28711DR	Texas Instruments	Constant-Voltage, Constant-Current PWM Controller with Primary-Side Regulation, D0007A (SOIC-7)	D0007A
U4, U5	2		TLV76015DBZR	Texas Instruments	100-mA, 30-V, Fixed-Output, Linear-Voltage Regulator, DBZ0003A (SOT- 23-3)	DBZ0003A

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
XF1	1	TR5	56000001009	Littelfuse	Fuse Holder, TR5, TH	TR5 Fuse Holder
C6	0	0.047uF	GRM188R71E473KA01D	MuRata	CAP, CERM, 0.047 uF, 25 V, +/- 10%, X7R, 0603	0603
C9	0	1000pF	GRM188R72A102KA01D	MuRata	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, 0603	0603
C10	0	220pF	GRM188R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0603	0603
R6	0	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R7	0	22.1k	CRCW060322K1FKEA	Vishay-Dale	RES, 22.1 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R10	0	1.50k	CRCW06031K50FKEA	Vishay-Dale	RES, 1.50 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R11	0	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R12	0	200	CRCW1206200RJNEA	Vishay-Dale	RES, 200, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R13	0	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R14	0	909k	CRCW0603909KFKEA	Vishay-Dale	RES, 909 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R15	0	178k	CRCW0603178KFKEA	Vishay-Dale	RES, 178 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
TP5	0		5014	Keystone	Test Point, Multipurpose, Yellow, TH	Yellow Multipurpose Testpoint
U2	0		VO618A-3	Vishay-Semiconductor	Optocoupler, 5.3 kV, 100-200% CTR, SMT	DIP, 4-Leads, Body 6.86x4.83mm, Pitch 2.54mm
U3	0		ATL431AIDBZR	Texas Instruments	2.5V Low Iq Adjustable Precision Shunt Regulator, DBZ0003A (SOT-23-3)	DBZ0003A

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