

PMP21462 REV D Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP21462	Any	Printed Circuit Board	
C1	1	0.022µF	B32642B0223J	TDK	0.022µF Film Capacitor 600V 1000V (1kV) Polypropylene (PP), Metallized Radial	RADIAL
C2	1	0.1uF	GCM155R71H104KE02D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C3	1	22uF	C1210C226K3RAC7800	Kemet	CAP, CERM, 22 µF, 25 V,+/- 10%, X7R, 1210	1210
C4	1	0.22uF	B32653A224J189	TDK	CAP, Film, 0.22 uF, 1000 V, +/- 5%, TH	26.50x20.50x11mm
C5, C6	2	68uF	400BXW68MEFR14.5X30	Rubycon	CAP, AL, 68 µF, 400 V, +/- 20%, TH	Dia 14.5mm
C7	1	27pF	GRM1555C1H270JA01D	MuRata	CAP, CERM, 27 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C8	1	4700pF	VJ1210Y472KXGAT5Z	Vishay-Vitramon	CAP, CERM, 4700 pF, 1000 V, +/- 10%, X7R, 1210	1210
C9	1	220pF	GRM188R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0603	0603
C10, C11	2	0.01uF	B32652A0103K	TDK	CAP, Film, 0.01 uF, 1000 V, +/- 10%, TH	2-Pin THD, 5 x 10.5 x 18 mm
C12	1	0.015uF	GRM188R71E153KA01D	MuRata	CAP, CERM, 0.015 uF, 25 V, +/- 10%, X7R, 0603	0603
C13, C15	2	2700uF	6.3ZLJ2700M10X20	Rubycon	CAP, AL, 2700 µF, 6.3 V, +/- 20%, TH	Cap 10x20mm
C14	1	470uF	25ZLJ470M10X12.5	Rubycon	CAP, AL, 470 uF, 25 V, +/- 20%, 0.053 ohm, TH	2-Pin Radial, Dia 10 mm, Height 12.5 mm, Pin Spacing 5 mm
C16, C17, C18	3	1uF	B37941K9105K62	TDK	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, 0805	0805
D1	1	100V	BAS316,115	Nexperia	Diode, Ultrafast, 100 V, 0.25 A, SOD-323	SOD-323
D2	1	800V	GBU4K-E3/51	Vishay-Semiconductor	Diode, Switching-Bridge, 800 V, 3 A, TH	GBU
D3	1	800V	US1K-13-F	Diodes Inc.	Diode, Fast Rectifier, 800 V, 1 A, SMA	SMA
D4	1	100V	B3100-13-F	Diodes Inc.	Diode, Schottky, 100 V, 3 A, SMC	SMC
D5	1	150V	STPS1150A	STMicroelectronics	Diode, Schottky, 150 V, 1 A, SMA	SMA
D6	1	15V	BZX384-C15,115	NXP Semiconductor	Diode, Zener, 15 V, 300 mW, SOD-323	SOD-323
J1	1		770W-X2/10	Qualtek Electronics Corporation	AC Receptacle, 2.5A, R/A, TH	AC, Reception 14.5x15x22 mm
J2, J3	2		ED120/2DS	On-Shore Technology	Terminal Block, 5.08 mm, 2x1, Brass, TH	2x1 5.08 mm Terminal Block
L1	1	850uH	750318019	Würth Elektronik	Coupled inductor, 850 µH, 0.0154 ohm, TH	18.5x14.5mm
L2	1	1mH	768772102	Würth Elektronik	Inductor, Shielded Drum Core, Metal Composite, 1 mH, 0.5 A, 1.7 ohm, TH	Dia 8x10mm
Q1	1	1000V	FQD2N100TM	Fairchild Semiconductor	MOSFET, N-CH, 1000 V, 1.6 A, DPAK	DPAK
R1	1	38.3k	CRCW060338K3FKEA	Vishay-Dale	RES, 38.3 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R2	1	6.04k	CRCW06036K04FKEA	Vishay-Dale	RES, 6.04 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R3	1	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R4	1	787	CRCW0603787RFKEA	Vishay-Dale	RES, 787, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R5, R6, R7, R8	4	470k	CRCW0805470KJNEA	Vishay-Dale	RES, 470 k, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
R9	1	8.2k	CRCW25128K20JNEG	Vishay-Dale	RES, 8.2 k, 5%, 1 W, AEC-Q200 Grade 0, 2512	2512
R10	1	1.21	RC0805FR-071R21L	Yageo America	RES, 1.21, 1%, 0.125 W, 0805	0805
R11	1	78.7k	CRCW060378K7FKEA	Vishay-Dale	RES, 78.7 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R12	1	4.02k	CRCW06034K02FKEA	Vishay-Dale	RES, 4.02 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R13	1	750	CRCW0603750RFKEA	Vishay-Dale	RES, 750, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R14	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R15	1	90.9k	CRCW060390K9FKEA	Vishay-Dale	RES, 90.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R16	1	40.2k	CRCW060340K2FKEA	Vishay-Dale	RES, 40.2 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R100	1	10k	CRCW251210K0JNEG	Vishay-Dale	RES, 10 k, 5%, 1 W, AEC-Q200 Grade 0, 2512	2512

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T1	1		750317656	Wurth Elektronik	Transformer, 2900 uH, TH	25x22.2mm
U1	1		UCC28742DBVR	Texas Instruments	High-Efficiency Low-Cost Flyback Controller with Secondary-Side Regulation, DBV0006A (SOT-23-6)	DBV0006A
U2	1		FOD817A	Fairchild Semiconductor	Optocoupler, 5 kV, 80-160% CTR, TH	DIP, 4-Leads, Body 6.86x4.83mm, Pitch 2.54mm
U3	1		TLV431ACDBZR	Texas Instruments	Low Voltage Adjustable Precision Shunt Regulator, 39 ppm / degC, 15 mA, 0 to 70 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A
XF1	1	TR5	56000001009	Littelfuse	Fuse Holder, TR5, TH	TR5 Fuse Holder
H1, H2, H3, H4	0		4826	Keystone		KEYSTONE_4826

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