

PMP21557 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP21557	Any	Printed Circuit Board	
C1, C2, C4, C5, C7, C8, C10, C11	8	1uF	GRM155R6YA105KE11D	MuRata	CAP, CERM, 1 µF, 35 V,+/- 10%, X5R, 0402	0402
C3, C6, C9, C12, C19	5	4.7uF	GRM188R61A475ME15	MuRata	CAP, CERM, 4.7 µF, 10 V,+/- 20%, X5R, 0603	0603
C13	1	0.01uF	GRM188R71E103KA01D	MuRata	CAP, CERM, 0.01 µF, 25 V,+/- 10%, X7R, 0603	0603
C14	1	3900pF	GRM155R71H392KA01D	MuRata	CAP, CERM, 3900 pF, 50 V,+/- 10%, X7R, 0402	0402
C15	1	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1 µF, 100 V,+/- 10%, X7R, 0603	0603
C16	1	4.7uF	C3216X7R1H475K160AC	TDK	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X7R, 1206	1206
C17, C20	2	0.1uF	GCM155R71H104KE02D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C18	1	1uF	GRM188R61E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V,+/- 10%, X5R, 0603	0603
D1, D2, D3, D4	4	45V	CD0603-B0240	Bourns	Diode, Schottky, 45 V, 0.2 A, 0603 Diode	0603 Diode
J1	1		ED120/2DS	On-Shore Technology	Terminal Block, 5.08 mm, 2x1, Brass, TH	2x1 5.08 mm Terminal Block
R1	1	46.4k	CRCW040246K4FKED	Vishay-Dale	RES, 46.4 k, 1%, 0.063 W, 0402	0402
R2	1	124k	CRCW0402124KFKED	Vishay-Dale	RES, 124 k, 1%, 0.063 W, 0402	0402
R3	1	0	MCR01MZPJ000	Rohm	RES, 0, 5%, 0.063 W, 0402	0402
R4	1	127k	CRCW0402127KFKED	Vishay-Dale	RES, 127 k, 1%, 0.063 W, 0402	0402
R5	1	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
R7	1	11.8k	CRCW040211K8FKED	Vishay-Dale	RES, 11.8 k, 1%, 0.063 W, 0402	0402
R8	1	49.9k	CRCW040249K9FKED	Vishay-Dale	RES, 49.9 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
T1	1	47uH	750317782	Würth Elektronik	Transformer, 47uH, SMT	22.35x17.78mm
TP1, TP3, TP5, TP7	4	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2, TP4, TP6, TP8	4	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1, U2, U3, U4	4		TLV75533PDBVR	Texas Instruments	500mA LDO, DBV0005A (SOT-23-5)	DBV0005A
U5	1		LM25017MRX/NOPB	Texas Instruments	7.5-48V Wide Vin, 650mA Constant On-Time Synchronous Buck Regulator, DDA0008B (SOIC-8)	DDA0008B
R6	0	1.00k	ERJ-2RKF1001X	Panasonic	RES, 1.00 k, 1%, 0.1 W, 0402	0402

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