

PMP30373 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C11	2	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V,+/- 5%, C0G/NP0	0603
C2, C5	2	2.2uF	GRM31CR72A225KA73L	MuRata	CAP, CERM, 2.2 μF, 100 V,+/- 10%, X7R	1206
C3, C10	2	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 μF, 25 V,+/- 10%, X7R	0603
C4, C12	2	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1 μF, 100 V,+/- 10%, X7R	0603
C6	1	33pF	GRM1885C1H330JA01D	MuRata	CAP, CERM, 33 pF, 50 V,+/- 5%, C0G/NP0	0603
C7	1	0.022uF	GRM188R71C223KA01D	MuRata	CAP, CERM, 0.022 μF, 16 V,+/- 10%, X7R	0603
C8, C100	2	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 μF, 25 V,+/- 10%, X7R	1210
C9	1	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 μF, 25 V,+/- 10%, X7R	0603
D1	1	100V	DFLS1100-7	Diodes Inc.	Diode, Schottky, 100 V, 1 A	PowerDI123
J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos	7.0x8.2x6.5mm THT
L1	1	68uH	LPD5030-683ME	Coilcraft	Coupled inductor, 68 μH, 0.43 A, 0.565 ohm	4.8x4.8x2.9mm SMD
R1	1	42.2k	CRCW060342K2FKEA	Vishay-Dale	RES, 42.2 k, 1%, 0.1 W	0603
R2	1	33.2k	CRCW060333K2FKEA	Vishay-Dale	RES, 33.2 k, 1%, 0.1 W	0603
R3	1	3.32k	CRCW060333K32FKEA	Vishay-Dale	RES, 3.32 k, 1%, 0.1 W	0603
R4	1	4.64k	CRCW06034K64FKEA	Vishay-Dale	RES, 4.64 k, 1%, 0.1 W	0603
R5	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W	0603
R6, R9	2	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W	0603
R7	1	40.2k	CRCW060340K2FKEA	Vishay-Dale	RES, 40.2 k, 1%, 0.1 W	0603
R8	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W	0603
TP1, TP4, TP6	3	White	5002	Keystone	Test Point, Miniature, White, THT	White Miniature Testpoint
TP2, TP10	2	Red	5000	Keystone	Test Point, Miniature, Red, THT	Red Miniature Testpoint
TP3, TP5, TP8	3	Black	5001	Keystone	Test Point, Miniature, Black, THT	Black Miniature Testpoint
TP7	1	Blue	5117	Keystone	Test Point, Miniature, Blue, THT	Blue Miniature Testpoint
TP9	1	Yellow	5004	Keystone	Test Point, Miniature, Yellow, THT	Yellow Miniature Testpoint
U1	1		LM5001IDRQ1 (automotive grade)	Texas Instruments	3.1-75V Wide Vin, 1A Current Mode, Non-Synchronous Switch Mode Regulator	D0008A (SOIC-8)
U2	1		TLV271IDBVTG4	Texas Instruments	550 uA/Ch, 3 MHz, Rail-to-Rail Output Operational Amplifier, 2.7 to 16 V	DBV0005A (5-pin-SOT23)

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