

PMP20487 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		PMP20487	Any	Printed Circuit Board	
C1	1	1uF	GCM188R71C105KA64D	MuRata	CAP, CERM, 1 μ F, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C2, C7	2	0.1uF	GCM188R71C104KA37J	MuRata	CAP, CERM, 0.1 μ F, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C3	1	0.82uF	GRM219R71E824KA88D	MuRata	CAP, CERM, 0.82 μ F, 25 V, +/- 10%, X7R, 0805, AEC-Q200	0805
C4	1	4.7uF	EEE-FK1V4R7R	Panasonic	CAP, AL, 4.7 μ F, 35 V, +/- 20%, 1.35 ohm, AEC-Q200 Grade 2, SMD	SMT Radial B
C5	1	2.2uF	GRM21BR71E225KA73L	MuRata	CAP, CERM, 2.2 μ F, 25 V, +/- 10%, X7R, 0805, AEC-Q200	0805
C6	1	470pF	GCM1885C1H471JA16D	MuRata	CAP, CERM, 470 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	0603
D1	1	85V	BAV116WSQ-7	Diodes Incorporated	Diode, Switching, 85V, 0.215A, SOD-323, AEC-Q101	SOD-323
D2	1	40V	FSV540	Fairchild Semiconductor	Diode, Schottky, 40V, 5A, TO-277, AEC-Q101	TO-277
L1	1	27uH	MSS1246-273MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 27 μ H, 2.96 A, 0.07 ohm, SMD, AEC-Q200	MSS1246
R1	1	0.2	RCWE0603R200FKEA	Vishay-Dale	RES, 0.2, 1%, 0.2 W, AEC-Q200 Grade 0, 0603	0603
R2	1	60.4k	CRCW060360K4FKEA	Vishay-Dale	RES, 60.4 k, 1%, 0.1 W, 0603, AEC-Q200	0603
R3	1	11.5k	CRCW060311K5FKEA	Vishay-Dale	RES, 11.5 k, 1%, 0.1 W, 0603, AEC-Q200	0603
R4	1	8.66k	CRCW06038K66FKEA	Vishay-Dale	RES, 8.66 k, 1%, 0.1 W, 0603, AEC-Q200	0603
TP1, TP4	2		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP2, TP3, TP6, TP7	4		1598-2	Keystone	Terminal, Turret, TH, Triple	Keystone1598-2
TP5, TP8	2		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U1	1		TPS92515QDGQRQ1	Texas Instruments	2A, 65V, Automotive Buck LED Driver with Integrated N-FET, DGQ0010A	DGQ0010A

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