

PMP30666 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		PMP30666	Any	Printed Circuit Board	
C1	1	47uF	T520B476M006ATE025	Kemet	CAP, TA, 47 uF, 6.3 V, +/- 20%, 0.025 ohm, SMD	3528-21
C2, C3	2	4.7uF	GRM21BR71A475KA73L	MuRata	CAP, CERM, 4.7 uF, 10 V, +/- 10%, X7R, 0805	0805
C4	1	27pF	CL10C270FB8NNNC	Samsung Electro-Mechanics	CAP, CERM, 27 pF, 50 V, +/- 1%, C0G/NP0, 0603	0603
C5, C8	2	10uF	GRM21BR71A106KE51L	MuRata	CAP, CERM, 10 uF, 10 V, +/- 10%, X7R, 0805	0805
C6	1	4.7uF	C1210C475K8RACTU	Kemet	CAP, CERM, 4.7 uF, 10 V, +/- 10%, X7R, 1210	1210
C7, C9	2	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	0603
J1, J2	2		TSW-106-07-G-S	Samtec	Header, 100mil, 6x1, Gold, TH	6x1 Header
JP1	1		TSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	3x1 Header
L1	1	1uH	DO1606T-102MLB	Coilcraft	Inductor, Drum Core, Ferrite, 1 uH, 2.3 A, 0.04 ohm, SMD	6.5x2.0x5.23mm
R1	1	100k	RT0603BRD07100KL	Yageo America	RES, 100 k, 0.1%, 0.1 W, 0603	0603
R2	1	17.4k	RG1608P-1742-B-T5	Susumu Co Ltd	RES, 17.4 k, 0.1%, 0.1 W, 0603	0603
R3	1	499k	RC0603FR-07499KL	Yageo America	RES, 499 k, 1%, 0.1 W, 0603	0603
R4	1	182k	RT0603DRE07182KL	Yageo America	RES, 182 k, 0.5%, 0.1 W, 0603	0603
R5	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R6	1	590	RT0603BRD07590RL	Yageo America	RES, 590, 0.1%, 0.1 W, 0603	0603
R7	1	1.02k	CRCW06031K02FKEA	Vishay-Dale	RES, 1.02 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R8	1	3.16k	RC0603FR-073K16L	Yageo	RES, 3.16 k, 1%, 0.1 W, 0603	0603
U1	1		TLV62569PDDC	Texas Instruments	2-A High Efficiency Step-Down Converter in SOT Package, DDC0006A (SOT-6)	DDC0006A
U2	1		SN74LV1T04DCKR	Texas Instruments	Single Power Supply INVERTER Gate logic level shifter, DCK0005A, LARGE T&R	DCK0005A
U3	1		TL431LIBIDBZR	Texas Instruments	Programmable Shunt Regulator with Optimized Reference Current, DBZ0003A (SOT-23-3)	DBZ0003A
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A

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