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Variant: 001

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PMP10596 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB	1		PMP10596	Any	Printed Circuit Board	
2	C1	1	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 μF, 50 V, +/- 10%, X7R, 1210	1210
3	C2	1	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1 µF, 50 V, +/- 10%, X7R, 0805	0805
4	C3, C5	2	4.7uF	C2012X5R1E475K125AB	TDK	CAP, CERM, 4.7 µF, 25 V, +/- 10%, X5R, 0805	0805
5	C4	1	0.47uF	GRM21BR71H474KA88L	MuRata	CAP, CERM, 0.47 μF, 50 V, +/- 10%, X7R, 0805	0805
6	C6	1	2.2uF	GRM188R71A225KE15D	MuRata	CAP, CERM, 2.2 µF, 10 V, +/- 10%, X7R, 0603	0603
7	D1	1	20V	MMSZ5250B-7-F	Diodes Inc.	Diode, Zener, 20 V, 500 mW, SOD-123	SOD-123
8	GND, Vin	2	Double	1502-2	Keystone	Terminal, Turret, TH, Double	Keystone1502-2
9	H9, H10, H11,	4		SJ5382	3M	Bumpon, Hemisphere, 0.25 X 0.075, Clear	75x250 mil
	H12						
10	J1, J2	2		TSW-102-07-G-S	Samtec	Header, TH, 100mil, 2x1, Gold plated, 230 mil above insulator	2x1 Header
11	J3	1		ED120/2DS	On-Shore Technology	TERMINAL BLOCK 5.08MM VERT 2POS, TH	TERM_BLK, 2pos,
							5.08mm
12	L1	1	56uH	SRU1048-560Y	Bourns	Inductor, Drum Core, Ferrite, 56 µH, 1.4 A, 0.11 ohm, SMD	SRU1048
13	R1	1	750k	CRCW0603750KFKEA	Vishay-Dale	RES, 750 k, 1%, 0.1 W, 0603	0603
14	R2	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
15	R3	1	10k	3224W-2-103E	Bourns	TRIMMER, 10K, 0.25W, SMD	3.5x5.3x4.8mm
16	R4, R5	2	64.9k	CRCW060364K9FKEA	Vishay-Dale	RES, 64.9 k, 1%, 0.1 W, 0603	0603
17	R6	1	169k	CRCW0603169KFKEA	Vishay-Dale	RES, 169 k, 1%, 0.1 W, 0603	0603
18	R8	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
19	R9	1	0.5	CSR1206FKR500	Stackpole Electronics Inc	RES, 0.5, 1%, 0.5 W, 1206	1206
20	R10	1	3.65k	CRCW06033K65FKEA	Vishay-Dale	RES, 3.65 k, 1%, 0.1 W, 0603	0603
21	U1	1		LM46002PWP	Texas Instruments	3.5V to 60V 2A Synchronous Step-Down Voltage Regulator, PWP0016A	PWP0016A
22	U2	1		LM4040AIM3X-2.0	Texas Instruments	Precision Micropower Shunt Voltage Reference, 3-pin SOT-23	MF03A
23	C7	0	0.047uF	C1608X7R1H473K	TDK	CAP, CERM, 0.047uF, 50V, +/-10%, X7R, 0603	0603
24	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
25	R7	0	71.5k	CRCW060371K5FKEA	Vishay-Dale	RES, 71.5 k, 1%, 0.1 W, 0603	0603

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