

Variant: 001  
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**PMP22288 REV A Bill of Materials**

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPC1	1		PMP22288	Any	Printed Circuit Board	
2	C1, C2	2	0.022uF	C1206C223KDRACTU	Kemet	CAP, CERM, 0.022 uF, 1000 V,+/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
3	C3, C4	2	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, 0603	603
4	C5, C10	2	10uF	ULV2G100MNL1GS	Nichicon	CAP, AL, 10 uF, 400 V, +/- 20%, SMD	D10xL13.5mm
5	C6, C7	2	390uF	EEU-FC1V391S	Panasonic	CAP, AL, 390 uF, 35 V, +/- 20%, AEC-Q200 Grade 2, TH	12.5x15mm
6	C8	1	0.1uF	C0603C104K5RACAUTO	Kemet	CAP, CERM, 0.1 uF, 50 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
7	C11	1	10uF	CGA5L1X7R1V106K160AC	TDK	CAP, CERM, 10 uF, 35 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206_190	1206_190
8	C12	1	100pF	CGA3E2NP01H101J080AA	TDK	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 0, 0603	603
9	D1	1	200V	MBRD20200CT-13	Diodes Inc.	Diode, Schottky, 200 V, 10 A, AEC-Q101, DPAK	DPAK
10	D2	1	200V	1SMB5956BT3G	ON Semiconductor	Diode, Zener, 200 V, 550 mW, SMB	SMB
11	D3	1	1300V	EGF1T-E3/67A	Vishay-Semiconductor	Diode, Ultrafast, 1300 V, 1 A, AEC-Q101, DO-214BA	DO-214BA
12	D4, D5	2	100V	B1100B-13-F	Diodes Inc.	Diode, Schottky, 100 V, 1 A, SMB	SMB
13	D6	1	20V	DDZ20CQ-7	Diodes Inc.	Diode, Zener, 20 V, 500 mW, AEC-Q101, SOD-123	SOD-123
14	J1, J2	2		ED120/2DS	On-Shore Technology	Terminal Block, 5.08 mm, 2x1, Brass, TH	2x1 5.08 mm Terminal Block
15	Q1	1		STD3N95K5AG	STMicroelectronics	N-Channel 950V 2A (Tc) 45W (Tc) Surface Mount DPAK	DPAK
16	R1	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
17	R2, R3, R5, R6	4	1.00Meg	CRCW12061M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
18	R7	1	23.2k	CRCW060323K2FKEA	Vishay-Dale	RES, 23.2 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
19	R8	1	1.69k	CRCW06031K69FKEA	Vishay-Dale	RES, 1.69 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
20	R9	1	1.02k	CRCW06031K02FKEA	Vishay-Dale	RES, 1.02 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
21	R10	1	8.66k	CRCW06038K66FKEA	Vishay-Dale	RES, 8.66 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
22	R11	1	332k	CRCW0402332KFKEA	Vishay-Dale	RES, 332 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
23	R12	1	1	CSR1206FT1R00	Stackpole Electronics Inc	RES, 1.00, 1%, 0.5 W, 1206	1206
24	T1	1		P302264-A1-54	TDK	Flyback Transformer	SMD_TRANSFORMER R_26MM0_22MM8
25	TP1, TP2	2		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
26	TP3	1		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
27	TP4	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
28	U1	1		UCC28730QDRQ1	Texas Instruments	Zero Standby PSR Flyback Controller with CVCC and Wake-Up Monitoring, Automotive, D0007A (SOIC-7)	D0007A
29	C9	0	0.01uF	CGA3E2X7R2A103K080AA	TDK	CAP, CERM, 0.01 uF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
30	L1	0	470nH	7.84383E+11	Würth Elektronik	Inductor, Shielded, Powdered Iron, 470 nH, 4.6 A, 0.023 ohm, AEC-Q200 Grade 1, SMD	SMD, 2-Leads, Body 3x3mm
31	R4	0	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206

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