Variant: 001
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PMP22893 REV C Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C8	2	0.22uF	GCM188R71H224KA64D	MuRata	CAP, CERM, 0.22 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
2	C2	1	4.7uF	CGA5L3X7R1H475K160AE	TDK	CAP, CERM, 4.7 µF, 50 V,+/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
3	C3, C4	2	1uF	C2220C105MCR2C7186	Kemet	CAP, CERM, 1 uF, 500 V, +/- 20%, X7R, AEC-Q200 Grade 1, 6x5mm	6x5mm
4	C5	1	22uF	EEU-EB2G220	Panasonic	CAP, AL, 22 µF, 400 V, +/- 20%, TH	D12.5xL25mm
5	C7	1	3.3uF	C1608X5R1V335K080AC	TDK	CAP, CERM, 3.3 uF, 35 V, +/- 10%, X5R, 0603	603
6	C9	1	1000pF	CGA2B2X7R1H102K050BA	TDK	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
7	C10	1	0.47uF	GRM155R61E474KE01D	MuRata	CAP, CERM, 0.47 uF, 25 V,+/- 10%, X5R, 0402	402
8	C11	1	470pF	06035A471JAT2A	AVX	CAP, CERM, 470 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
9	C12	1	0.01uF	GRM188R71H103KA01D	MuRata	CAP, CERM, 0.01 uF, 50 V, +/- 10%, X7R, 0603	603
10	C13	1	470uF	EMVA350ATR471MKE0S	Chemi-Con	CAP, AL, 470 uF, 35 V, +/- 20%, SMD	KE0
11	C14	1	4.7uF	UUD1V4R7MCL1GS	Nichicon	CAP, AL, 4.7 uF, 35 V, +/- 20%, 1.8 ohm, SMD	4x5.8
12	D1	1	400V	ES2G-13-F	Diodes Inc.	Diode, Superfast Rectifier, 400 V, 2 A, SMB	SMB
13	L1	1	33uH	MSD1514-333MEB	Coilcraft	Coupled inductor, 33 µH, 9 A, 0.045 ohm, SMD	15x15mm
14	Q1	1		BSC110N15NS5ATMA1	Infineon	N-Channel 150V 76A (Tc) 125W (Tc) Surface Mount PG-TDSON-8-7	TDSON-8
15	R1, R3	2	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
16	R4	1	200k	ERJ-2RKF2003X	Panasonic	RES, 200 k, 1%, 0.1 W, 0402	402
17	R5	1	43.2k	CRCW040243K2FKED	Vishay-Dale	RES, 43.2 k, 1%, 0.063 W, 0402	402
18	R8	1	1.21k	CRCW04021K21FKED	Vishay-Dale	RES, 1.21 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
19	R9	1	49.9	CRCW120649R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.25 W, 1206	1206
20	R10	1	0.005	CRF1206-FZ-R005ELF	Bourns	RES, 0.005, 1%, 1 W, AEC-Q200 Grade 0, 1206	1206
21	R11	1	402k	ERJ-3EKF4023V	Panasonic	RES, 402 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
22	R12	1	220k	RC0402FR-07220KL	Yageo America	RES, 220 k, 1%, 0.0625 W, 0402	402
23	R13	1	2.00k	RG1608P-202-B-T5	Susumu Co Ltd	RES, 2.00 k, 0.1%, 0.1 W, 0603	603
24	R14	1	60.4k	ERJ-2RKF6042X	Panasonic	RES, 60.4 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0402	402
25	TP2, TP3, TP13	3		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
26	TP6	1		1502-2	Keystone	Terminal, Turret, TH, Double	Keystone1502-2
27	TP7, TP9	2		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
28	TP12	1		5014	Keystone	Test Point, Multipurpose, Yellow, TH	Yellow Multipurpose Testpoint
29	U1	1		LM51551QDSSTQ1	Texas Instruments	Automotive Grade 2.2-MHz Wide Input Non-synchronous Boost Controller, DSS0012C (WSON-12)	DSS0012C
30	C6	0	680pF	GRM188R72E681KW07D	MuRata	CAP, CERM, 680 pF, 250 V, +/- 10%, X7R, 0603	603
31	Q2	0	-60V	SQJ461EP	Vishay-Siliconix	MOSFET, P-CH, -60 V, -30 A, PowerPAK_SO-8L	PowerPAK_SO-8L
32	Q3	0	45 V	BC850CW,115	NXP Semiconductor	Transistor, NPN, 45 V, 0.1 A, SOT-323	SOT-323
33	R2	0	16.9	CRCW060316R9FKEA	Vishay-Dale	RES, 16.9, 1%, 0.1 W, 0603	603
34	R15, R16	0	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402

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