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PMP20566 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		PMP20566	Any	Printed Circuit Board	
2	C1, C2	2	10uF	GRM31CR71E106KA12L	MuRata	CAP, CERM, 10 µF, 25 V, +/- 10%, X7R, 1206	1206
3	C3, C4	2	0.1uF	885012206071	Würth Elektronik	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	0603
4	C5	1	220uF	EEE-TP1V221AP	Panasonic	CAP, AL, 220 µF, 35 V, +/- 20%, 0.15 ohm, AEC-Q200 Grade 1, SMD	SMT Radial G
5	C6, C7	2	47uF	GRM32ER71A476KE15L	MuRata	CAP, CERM, 47 µF, 10 V, +/- 10%, X7R, 1210	1210
6	C8	1	150uF	6TPE150MAPB	Panasonic	CAP, Tantalum Polymer, 150 µF, 6.3 V, +/- 20%, 0.025 ohm, 3.5x1.9x2.8mm SMD	3.5x1.9x2.8mm
7	C9	1	1300pF	04025C132KAT2A	AVX	CAP, CERM, 1300 pF, 50 V, +/- 10%, X7R, 0402	0402
8	C10	1	0.068uF	GRM155R71C683KA88D	MuRata	CAP, CERM, 0.068 µF, 16 V, +/- 10%, X7R, 0402	0402
9	C11	1	150pF	GRM1555C1H151JA01D	MuRata	CAP, CERM, 150 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
10	D1	1	30V	MBRA130LT3G	ON Semiconductor	Diode, Schottky, 30 V, 1 A, SMA	SMA
11	J1, J2	2		39357-0002	Molex	Terminal Block, 3.5 mm, 2x1, Tin, TH	Terminal Block, 3.5 mm, 2x1, TH
12	L1	1	22uH	DR125-220-R	Coiltronics	Inductor, Shielded Drum Core, Ferrite, 22 µH, 3.7 A, 0.0396 ohm, SMD	DR125
13	R1	1	215k	CRCW0402215KFKED	Vishay-Dale	RES, 215 k, 1%, 0.063 W, 0402	0402
14	R2	1	51.1	CRCW040251R1FKED	Vishay-Dale	RES, 51.1, 1%, 0.063 W, 0402	0402
15	R3	1	31.6k	CRCW040231K6FKED	Vishay-Dale	RES, 31.6 k, 1%, 0.063 W, 0402	0402
16	R4	1	6.34k	CRCW04026K34FKED	Vishay-Dale	RES, 6.34 k, 1%, 0.063 W, 0402	0402
17	R5	1	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
18	R6	1	158k	CRCW0402158KFKED	Vishay-Dale	RES, 158 k, 1%, 0.063 W, 0402	0402
19	R7	1	1.87k	CRCW04021K87FKED	Vishay-Dale	RES, 1.87 k, 1%, 0.063 W, 0402	0402
20	TP1	1		TP105-01-09	Components Corporation	Test Point, Miniature, White, TH	Test-Point, Dia 100mil, TH
21	TP2	1		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
22	TP3	1		5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
23	TP4	1		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
24	U1	1		TPS54335ADDAR	Texas Instruments	4.5- to 28-V Input, 3-A Output, Synchronous SWIFT Step-Down DC-DC Converter, DDA0008E (SOIC-8)	DDA0008E
25	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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