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PMP15004 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C2, C3, C4, C10, C11	6	10uF	GRM32ER71J106KA12L	MuRata	CAP, CERM, 10 µF, 63 V, +/- 10%, X7R, 1210	1210
2	C5, C8	2	0.1uF	GCM188R71C104KA37J	MuRata	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, 0603_095	0603_095
3	C6	1	470pF	GCM1885C1H471JA16D	MuRata	CAP, CERM, 470 pF, 50 V, +/- 5%, C0G/NP0, 0603_095	0603_095
4	C7	1	1uF	GCM188R71C105KA64D	MuRata	CAP, CERM, 1 µF, 16 V, +/- 10%, X7R, 0603_095	0603_095
5	C9	1	2.2uF	CGA5L3X7S2A225M160AB	TDK	CAP, CERM, 2.2 µF, 100 V, +/- 20%, X7S, 1206_190	1206_190
6	C12, C13	2	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1 µF, 100 V, +/- 10%, X7R, 0603	0603
7	C14, C15	2	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	0603
8	D1	1	640mV @ 3A	RB058L-60TE25	Rohm Semiconductor	Diode, Schottky, 60V, 3A, SMA	DO-214AC, SMA
9	D4	1	100V	MMSD4148T1G	ON Semiconductor	Diode, Switching, 100 V, 0.2 A, SOD-123	SOD-123
10	L1	1	22uH	XAL5050-223MEB	Coilcraft	Inductor, Shielded, Composite, 22 µH, 3.4 A, 0.1 ohm, SMD	XAL5050
11	L2	1	10uH	74408943100	Würth Elektronik	Inductor, Shielded Drum Core, Ferrite, 10 µH, 1.65 A, 0.082 ohm, SMD	4.8x3.8x4.8mm
12	L3	1		ACM4520-421-2P-T000	TDK	Coupled inductor, 2.8 A, 0.055 ohm, SMD	4.7x4.5mm
13	R1	1	24.9k	CRCW060324K9FKEA	Vishay-Dale	RES, 24.9 k, 1%, 0.1 W, 0603	0603
14	R5	1	0.15	WSL1206R1500FEA	Vishay-Dale	RES, 0.15, 1%, 0.25 W, 1206	1206
15	R6, R8	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
16	R10	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
17	TP1, TP2, TP3, TP5, TP6	5		5015	Keystone	Test Point, Miniature, SMT	Testpoint_Keystone_Miniature
18	U1	1		TPS92515HVQDGRQ1	Texas Instruments	2A, 65V, Automotive Buck LED Driver with Integrated N-FET, DGQ0010A	DGQ0010A
19	D6	0	100V	MMSD4148T1G	ON Semiconductor	Diode, Switching, 100 V, 0.2 A, SOD-123	SOD-123
20	R3, R9	0	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
21	R4	0	48.7k	CRCW060348K7FKEA	Vishay-Dale	RES, 48.7 k, 1%, 0.1 W, 0603	0603
22	R7	0	309k	CRCW0603309KFKEA	Vishay-Dale	RES, 309 k, 1%, 0.1 W, 0603	0603
23	R12	0	61.9k	CRCW060361K9FKEA	Vishay-Dale	RES, 61.9 k, 1%, 0.1 W, 0603	0603

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