

Variant: None
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PMP22845 REV B Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		PMP22845	Any	Printed Circuit Board	
2	C1, C4	2	10uF	CL21B106KOQNNNE	Samsung Electro-Mechanics	CAP, CERM, 10 uF, 16 V, +/- 10%, X7R, 0805	0805
3	C2, C3	2	0.1uF	06035C104KAZZA	AVX	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
4	C11, C13	2	10uF	UMJ325KB7106KMHT	Taiyo Yuden	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1210	1210
5	C12, C16	2	0.1uF	C0805C104K1RACTU	Kemet	CAP, CERM, 0.1 uF, 100 V, +/- 10%, X7R, 0805	0805
6	C14	1	180uF	UCZ1J181MNQ1MS	Nichicon	CAP, AL, 180 uF, 63 V, +/- 20%, 0.2 ohm, AEC-Q200 Grade 1, SMD	D12.5xL13.5mm
7	C15	1	1uF	C3216X7R2A105M160AA	TDK	CAP, CERM, 1 uF, 100 V, +/- 20%, X7R, 1206	1206
8	C17	1	10uF	GRT188C81C106ME13D	MuRata	CAP, CERM, 10 uF, 16 V, +/- 20%, X6S, AEC-Q200 Grade 2, 0603	0603
9	C100, C101	2	220pF	1825JA221KAT1A	AVX	CAP, CERM, 220 pF, 4000 V, +/- 10%, COG, 1825	1825
10	FB2, FB4	2		MMZ1005A182ETD25	TDK	1.8 kOhms @ 100MHz 1 Signal Line Ferrite Bead 0402 (1005 Metric) 200mA 2.1Ohm	0402
11	J1, J2	2		131-3701-266	Cinch Connectivity	Connector, SMB, Jack, 50 ohm, TH	236x293x236mil
12	L2	1		ACM1211-701-2PL-TL01	TDK	Coupled inductor, 8 A, 0.006 ohm, SMD	SMD, 12x11mm
13	L3	1	1.8uH	7447798180	Würth Elektronik	Inductor, Shielded, Metal Composite, 1.8 uH, 12.8 A, 0.0038 ohm, SMD	10.2 x 6.4 x 10.2mm
14	R1, R3	2	0	RMCF0603ZT0R00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
15	R2	1	100k	CRCW0603100KJNEA	Vishay-Dale	RES, 100 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
16	R4	1	51.0	CRCW251251R0FKEG	Vishay-Dale	RES, 51.0, 1%, 1 W, AEC-Q200 Grade 0, 2512	2512
17	R5	1	100k	CRCW0402100KJNED	Vishay-Dale	RES, 100 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
18	R7	1	0	CRCW12060000Z0EAHP	Vishay-Dale	RES, 0, 0.75 W, AEC-Q200 Grade 0, 1206	1206
19	R11	1	0.33	ERJ-8RQFR33V	Panasonic	RES, 0.33, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
20	TP1, TP2	2		5016	Keystone	Test Point, Compact, SMT	Testpoint_Keystone_Compact
21	TP5	1		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
22	TP6	1		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
23	U1	1		UCC12051DVE-Q1	Texas Instruments	500 mW, High-Efficiency, Low-Emissions, 5 kVRMS Isolated DC-DC Converter, DVE0016A (SO-MOD-16) AEC-Q100 Qualified	DVE0016A
24	U2	1		TPS7B8250QKVURQ1	Texas Instruments	Automotive 300-mA high-voltage ultra-low-lq low-dropout (LDO) regulator, KVVU0005A (TO-252-5)	KVVU0005A

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