

Variant: 001
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PMP22416 REV B Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		PMP22416	Any	Printed Circuit Board	
2	C1, C6, C7, C8, C17, C18, C19, C26, C28	9	22uF	CC1210KKX7R8BB226	Yageo	CAP, CERM, 22 uF, 25 V, +/- 10%, X7R, 1210	1210
3	C2, C3, C13, C14	4	4.7uF	UMK325B7475MMHT	Taiyo Yuden	CAP, CERM, 4.7 uF, 50 V, +/- 20%, X7R, AEC-Q200 Grade 1, 1210	1210
4	C4, C15	2	1000pF	C0402C102K5RACTU	Kemet	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0402	402
5	C5, C16	2	1uF	12103C105KAT2A	AVX	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, 1210	1210
6	C9, C20	2	0.1uF	C0603X104K8RACTU	Kemet	CAP, CERM, 0.1 uF, 10 V, +/- 10%, X7R, 0603	603
7	C10, C21	2	1uF	GRM188R71A105KA61D	MuRata	CAP, CERM, 1 uF, 10 V, +/- 10%, X7R, 0603	603
8	C11, C22	2	1uF	8.85012E+11	Würth Elektronik	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, 0603	603
9	C12, C23	2	22pF	C1005C0G1H220J050BA	TDK	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0402	402
10	C24, C25	2	6.8uF	C2012X6R1V685K125AC	TDK	CAP, CERM, 6.8 uF, 35 V, +/- 10%, X5R, 0805	805
11	C27, C29	2	0.47uF	JMK105B7474KVHF	Taiyo Yuden	CAP, CERM, 0.47 uF, 6.3 V, +/- 10%, X7R, 0402	402
12	D1, D4	2	40V	PMEG4030ER.115	Nexperia	Diode, Schottky, 40 V, 3 A, AEC-Q101, SOD-123W	SOD-123W
13	D2, D3, D5, D6	4		TPD1E05U06DPYR	Texas Instruments	1-Channel Ultra-Low-Capacitance IEC ESD Protection Diode, DPY0002A (X1SON-2)	DPY0002A
14	J1, J2	2		691 101 710 002	Würth Elektronik	Terminal Block, 5 mm, 2x1, Tin, TH	Terminal Block, 5 mm, 2x1, TH
15	J3, J4	2		HTSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	Header, 100mil, 2x1, TH
16	J5, J8	2		6.32723E+11	Würth Elektronik	Connector, Receptacle, USB Type C, R/A	Connector, Receptacle, USB Type C, R/A, THT/SMT
17	L1, L2	2	10uH	XAL8080-103MEB	Coilcraft	Inductor, Shielded, Composite, 10 uH, 8.7 A, 0.021 ohm, SMD	8.1 x 8 x 8.6mm
18	R1, R12	2	26.7k	CRCW040226K7FKED	Vishay-Dale	RES, 26.7 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
19	R2, R15	2	100k	RC0402FR-07100KL	Yageo America	RES, 100 k, 1%, 0.0625 W, 0402	402
20	R3, R4, R16, R17	4	0	MCR01MZPJ000	Rohm	RES, 0, 5%, 0.063 W, 0402	402
21	R6, R19	2	191k	CRCW0402191KFKED	Vishay-Dale	RES, 191 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
22	R7, R20	2	47.5k	CRCW040247K5FKED	Vishay-Dale	RES, 47.5 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
23	R8, R21	2	1.00k	MCR01MZPF1001	Rohm	RES, 1.00 k, 1%, 0.063 W, 0402	402
24	R9, R13	2	255k	CRCW0402255KFKED	Vishay-Dale	RES, 255 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
25	R10, R14	2	17.8k	CRCW040217K8FKED	Vishay-Dale	RES, 17.8 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
26	R11, R22	2	10.0k	RC0402FR-0710KL	Yageo America	RES, 10.0 k, 1%, 0.063 W, 0402	402
27	R23, R24	2	100	RC0402FR-07100RL	Yageo America	RES, 100, 1%, 0.063 W, 0402	402
28	R25, R26	2	2.74k	CRCW04022K74FKED	Vishay-Dale	RES, 2.74 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
29	TP1, TP4, TP6, TP9, TP11, TP12	6		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
30	TP2, TP3, TP5, TP8, TP13	5		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
31	TP7, TP10	2		5013	Keystone	Test Point, Multipurpose, Orange, TH	Orange Multipurpose Testpoint
32	U1, U2	2		LM61460AANRJR	Texas Instruments	6-A Low Noise Synchronous Buck Regulators, RJR0014A (VQFN-HR-14)	RJR0014A
33	J6	0		TSW-112-07-G-S	Samtec	Header, 100mil, 12x1, Gold, TH	12x1 Header
34	J7	0		TSW-108-07-G-S	Samtec	Header, 100mil, 8x1, Gold, TH	8x1 Header
35	R5, R18	0	0	MCR01MZPJ000	Rohm	RES, 0, 5%, 0.063 W, 0402	402

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