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PMP20292 REV A Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB200	1	Value	PMP20292	Any	Printed Circuit Board	1 dollagortororio
2	BodeTP, PGOOD	2		5002	Keystone	Test Point, Miniature, White, TH	White Miniature
_	2000,	_		5552	, to you have	Took to string training traini	Testpoint
3	C1, C3, C12, C14	4	1uF	C1608X5R1E105K080AC	TDK	CAP, CERM, 1 µF, 25 V, +/- 10%, X5R, 0603	0603
	C2, C13	2	1000pF	GRM155R61E102KA01D	MuRata	CAP, CERM, 1000 pF, 25 V, +/- 10%, X5R, 0402	0402
5	C4, C5, C6, C7,	8	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 µF, 25 V, +/- 10%, X7R, 1210	1210
	C8, C9, C10, C11				11.21.12.12		
6	C15, C16	2	0.1uF	GRM155R71C104KA88D	MuRata	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, 0402	0402
7	C17, C20	2	1500pF	GRM155R71H152KA01D	MuRata	CAP, CERM, 1500 pF, 50 V, +/- 10%, X7R, 0402	0402
8	C18, C19	2	1000pF	C0805C102K1RACTU	Kemet	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, 0805	0805
9	C21	1	10pF	GRM1555C1H100JA01D	MuRata	CAP, CERM, 10 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
10	C22, C24, C25,	4	4.7uF	GRM188R61C475KAAJ	MuRata	CAP, CERM, 4.7uF, 16V, +/-10%, X5R, 0603	0603
	C26					5. ii , 0. 2. iiiii, 11. ii , 10. ii, 17. ii 70, 7.0. ii, 0.000	
11	C23, C27	2	0.1uF	GRM155R71C104KA88D	MuRata	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0402	0402
12	C29, C30, C31,	4	470uF	EEFSX0E471E4	Panasonic	CAP, Aluminum Polymer, 470 µF, 2.5 V, +/- 20%, 4.5 ohm, 7.3x1.8x4.3mm	
	C32					SMD	
13	C33, C508, C509	3	100uF	GRM32ER60J107ME20L	MuRata	CAP, CERM, 100 µF, 6.3 V, +/- 20%, X5R, 1210	1210
14	C36	1	22pF	GRM1555C1H220JA01D	MuRata	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
15	C500, C501,	4	0.1uF	GRM155R61C104KA88D	MuRata	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X5R, 0402	0402
10	C502, C503		0.141	Gram room or or or or or or or	- Indicate	οτι , σεταπ, σ.τ μι , το ν, τη τολό, λοια, στοε	0.102
16	C506	1	1uF	GRM155R61A105KE15D	MuRata	CAP, CERM, 1 μF, 10 V, +/- 10%, X5R, 0402	0402
17	C507, C540	2	0.1uF	GRM155R61E104KA87D	MuRata	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X5R, 0402	0402
18	C511, C512	2	270uF	16SEPC270MX	Panasonic	CAP, Aluminum Polymer, 270 µF, 16 V, +/- 20%, 0.01 ohm, TH	8.0x9.0mm
19	D500	1	30V	BAT54WS-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOD-323	SOD-323
20	D501	1	Red	LTST-C170KRKT	Lite-On	LED, Red, SMD	LED 0805
21	D502, D503	2	30V	MBR0530T1G	ON Semiconductor	Diode, Schottky, 30 V, 0.5 A, SOD-123	SOD-123
22	exc_rtn, GndTP,	4	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature
22	TP502, TP504	_	Diaon	0001	Reyolone	Toot Form, Miniators, Black, TT	Testpoint
23	ext_clk, TP501,	5	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature
20	TP503, TP506,		rtou	0000	Reyolone	restroint, williature, read, fri	Testpoint
	VoutTP						Cotpoint
24	H200, H201,	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
27	H202, H203	_		141 1 100 440 0020 1 11	Bai Tasterier Supply	Macrimic Corew, Rodina, 114 40 X 174, Rylon, 1 miles parmoda	Golow
25	H204, H205,	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
20	H206, H207	-		13020	regione	Standon, Flox, 6.5 E #4 40 Hylon	Staridon
26	int_clk_EN,	2		PBC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Gold, TH	Sullins 100mil, 1x2,
	int_clk_sel	_		I BOOZOAAIV	Culling Confidence Conditions	Ticadel, Toolili, 2x1, Gold, 111	230 mil above
	IIII_CIK_Sei						insulator
27	J1	1		5103308-1	TE Connectivity	Header (shrouded), 100mil, 5x2, Gold, TH	5x2 Shrouded header
21	31	'		3103306-1	TE Confidentially	Tieauer (Silloudeu), Tooriili, 3x2, Gold, 111	3x2 Sillouded fleader
28	J2	1		PEC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN,
20	JZ	1		LOUZGAAN	Summs Connector Solutions	ITGAUGI, TUUTIIII, ZAT, TIII, TTT	100mil, Tin
29	J502, J541	2		U.FL-R-SMT-1	Hirose Electric Co. Ltd.	Connector, Ultra-Mini Coaxial, SMD	Ultra small CO-AX
29	J302, J341			0.FL-K-3W1-1	Hirose Electric Co. Ltd.	Connector, Ottra-Willin Coaxiar, Sivid	SMD
30	J503, J506	2	90A	CB70-14-CY	Panduit	Terminal 90A Lug	CB70-14-CY
31	J503, J506 J507	1	SUA	ED120/4DS	On-Shore Technology	Terminal Block, 5.08 mm, 4x1, Brass, TH	4x1 5.08 mm Terminal
31	3307	'		ED 120/4D3	On-Shore recrinology	Tellilliai Diock, 5.00 IIIII, 4x1, Diass, 1 П	Block
32	IE10	1		ED555/2DS	On-Shore Technology	Terminal Block 6A 2 5mm Bitch 2 Dec TH	7.0x8.2x6.5mm
	J510 J540	-		TSW-102-07-G-S		Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH Header, 100mil, 2x1, Gold, TH	7.0x8.2x6.5mm 2x1 Header
33		1	220-11		Samtec		
34	L1, L2	2	330nH	VLB10090HT-R33K-B2	TDK	Inductor, Ferrite, 330 nH, 32.8 A, 0.00033 ohm, SMD	SMD, 2-Leads, Body
							10.2x10mm

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
35	Q500	1	25V	CSD16408Q5C	Texas Instruments	MOSFET, N-CH, 25 V, 113 A, DualCool SON 5x6mm	DualCool SON 5x6mm
36	Q540	1	25V	CSD16325Q5	Texas Instruments	MOSFET, N-CH, 25 V, 100 A, SON 5x6mm	SON 5x6mm
37	R1, R2, R540		1.0	CRCW04021R00JNED	Vishay-Dale	RES, 1.0, 5%, 0.063 W, 0402	0402
38	R3, R4, R18	3	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
39	R5	1	1.50k	CRCW04021K50FKED	Vishay-Dale	RES, 1.50 k, 1%, 0.063 W, 0402	0402
40	R6, R8, R13, R15, R16, R17, R23, R24, R28, R29, R502, R541	12	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
41	R7, R27		51	CRCW040251R0JNED	Vishay-Dale	RES, 51, 5%, 0.063 W, 0402	0402
42	R9		20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
43	R10, R11	2	1.0	CRCW12061R00JNEA	Vishay-Dale	RES, 1.0, 5%, 0.25 W, 1206	1206
44	R14	1	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
45	R19, R20	2	8.66k	CRCW04028K66FKED	Vishay-Dale	RES, 8.66 k, 1%, 0.063 W, 0402	0402
46	R21, R22	2	47.5k	CRCW040247K5FKED	Vishay-Dale	RES, 47.5 k, 1%, 0.063 W, 0402	0402
47	R500, R503	2	8.06k	CRCW04028K06FKED	Vishay-Dale	RES, 8.06 k, 1%, 0.063 W, 0402	0402
48	R501		200k	CRCW0402200KFKED	Vishay-Dale	RES, 200 k, 1%, 0.063 W, 0402	0402
49	R504	1	330	CRCW0402330RJNED	Vishay-Dale	RES, 330, 5%, 0.063 W, 0402	0402
50	R505, R506, R507, R508, R509, R510, R511, R512, R513, R514, R515		0.3	CSRN2512FKR300	Stackpole Electronics Inc	RES, 0.3, 1%, 2 W, 2512	2512
51	R527, R543	2	49.9	CRCW040249R9FKED	Vishay-Dale	RES, 49.9, 1%, 0.063 W, 0402	0402
52	R528		75.0	CRCW060375R0FKEA	Vishav-Dale	RES, 75.0, 1%, 0.1 W, 0603	0603
53	R529		249	CRCW0603249RFKEA	Vishay-Dale	RES, 249, 1%, 0.1 W, 0603	0603
54	R542		0.01	ERJ-M1WSF10MU	Panasonic	RES. 0.01. 1%. 1 W. 2512	2512
55	TP500, TP505	2		5016	Keystone	Test Point, Compact, SMT	Testpoint_Keystone_ Compact
56	U1, U2	2		TPS546C20ARVFR	Texas Instruments	4.5V-18V, 35A PMBUS STACKABLE SYNCHRONOUS BUCK CONVERTER, RVF0040A	RVF0040A
57	U501	1		TLC555CD	Texas Instruments	LinCMOS Timer, D0008A	D0008A
58	U502	1		UCC27324D	Texas Instruments	DUAL 4-A PEAK HIGH SPEED LOW- SIDE POWER MOSFET DRIVERS, D0008A	D0008A
59	FID200, FID201, FID202	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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