

PMP4320A BOM Lists

Item	Qty	Reference	Part Name	Description	Value	Size	
1	1	T6	6-3W-BIAS-TRANS 40OUTPUT,3W bias transformer	bias transformer 3W	3W bias transformer		
2	2	D1 D5	BAV99LT1	DUAL SERIES SWITCHING DIODE			
3	1	C86	C0402, 0.01uf, 5%	Capacitor, Ceramic, vvV, [temp], [	0.01uf	402	
4	6	C20 C26 C33 C44 C46 C62	C0402, 0.1uF, 10%	Capacitor, Ceramic, vvV, [temp], [	0.1uF	402	
5	2	C75 C79	C0402, 0.1uF, 5%	Capacitor, Ceramic, vvV, [temp], [	0.1uF	402	
6	4	C5 C19 C30 C49	C0402, 0.1uf, 10%	Capacitor, Ceramic, vvV, [temp], [	0.1uf	402	
7	1	C69	C0402, 1000pf, 10%	Capacitor, Ceramic, vvV, [temp], [	1000pf	402	
8	2	C7 C39	C0402, 100pF, 10%	Capacitor, Ceramic, vvV, [temp], [	100pF	402	
9	2	C66 C74	C0402, 100pf, 10%	Capacitor, Ceramic, vvV, [temp], [	100pf	402	
10	4	C13 C15 C72 C77	C0402, 10nF, 10%	Capacitor, Ceramic, vvV, [temp], [	10nF	402	
11	5	C14 C16 C29 C35 C83	C0402, 10nF, 5%	Capacitor, Ceramic, vvV, [temp], [	10nF	402	
12	1	C67	C0402, 10nf, 10%	Capacitor, Ceramic, vvV, [temp], [	10nf	402	
13	1	C68	C0402, 120pF, 5%	Capacitor, Ceramic, vvV, [temp], [	120pF	402	
14	1	C28	C0402, 1nF, 10%	Capacitor, Ceramic, vvV, [temp], [	1nF	402	
15	6	C6 C17-18 C25 C60-61	C0402, 1uF, 10%	Capacitor, Ceramic, vvV, [temp], [	1uF	402	
16	1	C84	C0402, 1uF, 5%	Capacitor, Ceramic, vvV, [temp], [	1uF	402	
17	1	C87	C0402, 2.2nF, 5%	Capacitor, Ceramic, vvV, [temp], [	2.2nF	402	
18	1	C78	C0402, 220pF, 5%	Capacitor, Ceramic, vvV, [temp], [	220pF	402	
19	1	C45	C0402, 33pF, 10%	Capacitor, Ceramic, vvV, [temp], [	33pF	402	
20	1	C21	C0402, 4700pF, 10%	Capacitor, Ceramic, vvV, [temp], [	4700pF	402	
21	3	C56 C58-59	C0402, 4700pf, 10%	Capacitor, Ceramic, vvV, [temp], [	4700pf	402	
22	1	C50	C0402, 470pf, 10%	Capacitor, Ceramic, vvV, [temp], [	470pf	402	
23	1	C47	C0402, 68nF, 10%	Capacitor, Ceramic, vvV, [temp], [	68nF	402	
24	1	C34	C0402, NA, 10%	Capacitor, Ceramic, vvV, [temp], [	NA	402	
25	1	C76	C0402, OPEN, 10%	Capacitor, Ceramic, vvV, [temp], [	OPEN	402	
26	1	C11	C0603, 2.2uF, 10%	Capacitor, Ceramic, 6.3V, X7R, 10%	2.2uF	603	
27	1	C22	C0603, 2.2uF, 10%	Capacitor, Ceramic, 16V, X7R, 10%	2.2uF	603	
28	1	C52	C603, 2.2uF, 10%	Capacitor, Ceramic, 16V, X7R, 10%	2.2uF	603	
29	1	C4	C0805, 10uF, 10%	Capacitor, Ceramic, 10V, X7R, 10%	10uF	805	
30	1	C85	C0805, 10uf, 10%	Capacitor, Ceramic, vvV, [temp], [	10uf	805	
31	2	C24 C31	C0805, 22nF	Capacitor, Ceramic, 100V, X7R	22nF	805	
32	3	C10 C71 C81	C0805, 4.7uF, 10%	Capacitor, Ceramic, vvV, [temp], [	4.7uF	805	
33	3	C37-38 C64	C1206, 4.7uF	Capacitor, Ceramic,	4.7uF	1206	
34	6	C9 C12 C23 C27 C32 C80	C1210, 2.2uF, 10%	Capacitor, Ceramic, 16V, X7R, 10%	2.2uF	1210	
35	1	C55	C1210, 2.2uF, 10%	Capacitor, Ceramic, 100V, X7R, 10%	2.2uF	1210	
36	2	C1-2	C1210, 47uF	Capacitor, Ceramic, 16V, X5R, 10%	47uF	1210	
37	1	C3	C1210, 47uF	Capacitor, Ceramic, 16V, X5R, 10%	47uF	1210	
38	1	C8	C1210, 47uF	Capacitor, Ceramic, 16V, X5R, 10%	47uF	1210	
39	1	C82	C1210, 47uF	Capacitor, Ceramic, 16V, X5R, 10%	47uF	1210	
40	1	C111	C1812, 4.7nF, 10%	Capacitor, Ceramic, 2000V, X7R, 10%	4.7nF	1812	
41	4	D9 D12-14	D-BAV SOD123	Diode, Schottky, 2A, 100V	MBR2H100SFT3G	SOD-123	
43	1	D6	BZX84C5V6	Diode, Zener, 225MW, 5.6V	BZX84C5V6	SOT-23	
44	5	D2-4 D7 D11	D SCHOT SOD123	Diode, Schottky, 1A, 100V	MBR1H100SFT3G	SOD123	
45	1	J1	HEADER100-2X5, HEADER 100-2X5 SHROUDED	SHROUDED HEADER 10 POS STRAIGHT	HEADER 100-2X5 SHROUDED		
46	1	U9	INA213	IC, Voltage Output, High or Low Si	INA213	SC-70	
47	1	L5	IND IHLP-2525CZ-01, 470nH	Inductor, Power, 16A	470nH	0.255 x 0.270 inch	PULSE
48	1	T2	IND SER2800 SERIES, 1.8uH 3Ts	Inductor, Power, 35A	1.8uH 3Ts	1.100 x 1.100 inch	TDG
49	1	U3	ISO7420CD	IC, DUAL DIGITAL ISOLATORS	ISO7420CD	S0-8	
50	1	C73	Pnasonic, 47uF	Capacitor, Ceramic, 16V, X5R, 10%	47uF	1210	
51	1	U4	LM5017	TI	LM5017		
52	1	U14	LM2904DGKR	IC, Dual Op Amp, 2-36 Vin	LM2904DGKR	TSSOP-8	
53	2	U6 U11	LM60X, LM60C	IC, Temp Sensor	LM60C	SOT-23	
54	1	R22	R0402, 0, 1%	Resistor, Chip, 1/16W, x%	0	402	

55	1	R77	R0402, 0.47, 1%	Resistor, Chip, 1/16W, x%	0.47	402	
56	1	R51	R0402, 0R, 1%	Resistor, Chip, 1/16W, x%	0R	402	
57	1	R53	R0402, 0R0, 1%	Resistor, Chip, 1/16W, x%	0R0	402	
58	1	R21	R0402, 0k56, 1%	Resistor, Chip, 1/16W, 1%	0k56	402	
59	1	R11	R0402, 1.0K, 1%	Resistor, Chip, 1/16W, x%	1.0K	402	
60	2	R81 R90	R0402, 1.5K, 1%	Resistor, Chip, 1/16W, x%	1.5K	402	
61	1	R36	R0402, 1.62K, 1%	Resistor, Chip, 1/16W, x%	1.62K	402	
62	1	R65	R0402, 1.65K, 1%	Resistor, Chip, 1/16W, x%	1.65K	402	
63	1	R33	R0402, 1.74K, 1%	Resistor, Chip, 1/16W, x%	1.74K	402	
64	1	R84	R0402, 1.82K, 1%	Resistor, Chip, 1/16W, x%	1.82K	402	
65	1	R64	R0402, 100, 1%	Resistor, Chip, 1/16W, x%	100	402	
66	1	R1	R0402, 10K	Resistor, Chip, 1/16W, x%	10K	402	
67	7	R5 R8 R14 R18 R26 R40 R62	R0402, 10K, 1%	Resistor, Chip, 1/16W, x%	10K	402	
68	1	R54	R0402, 10R, 1%	Resistor, Chip, 1/16W, x%	10R	402	
69	2	R4 R78	R0402, 120K, 1%	Resistor, Chip, 1/16W, x%	120K	402	
70	2	R15-16	R0402, 15, 1%	Resistor, Chip, 1/16W, x%	15	402	
71	1	R75	R0402, 15K, 1%	Resistor, Chip, 1/16W, x%	15K	402	
72	2	R35 R85	R0402, 16.2K, 1%	Resistor, Chip, 1/16W, x%	16.2K	402	
73	10	R12 R19-20 R25 R49 R57 R68-70 R80	R0402, 1K, 1%	Resistor, Chip, 1/16W, x%	1K	402	
74	1	R92	R0402, 2.49K, 1%	Resistor, Chip, 1/16W, x%	2.49K	402	
75	1	R79	R0402, 2.5K, 1%	Resistor, Chip, 1/16W, x%	2.5K	402	
76	6	R28-29 R31-32 R45-46	R0402, 10R0	Resistor, Chip, 1/16W, x%	10R0	402	
77	1	R76	R0402, 3.32K, 1%	Resistor, Chip, 1/16W, x%	3.32K	402	
78	1	R44	R0402, 3.9K, 1%	Resistor, Chip, 1/16W, x%	3.9K	402	
79	1	R87	R0402, 301, 1%	Resistor, Chip, 1/16W, x%	301	402	
80	1	R48	R0402, 33.2K, 1%	Resistor, Chip, 1/16W, x%	33.2K	402	
81	1	R27	R0402, 27K, 1%	Resistor, Chip, 1/16W, x%	27K	402	
82	1	R58	R0402, 4.99K, 1%	Resistor, Chip, 1/16W, x%	4.99K	402	
83	1	R59	R0402, 402R, 1%	Resistor, Chip, 1/16W, x%	402R	402	
84	1	R60	R0402, 5.18K, 1%	Resistor, Chip, 1/16W, x%	5.18K	402	
85	1	R6	R0402, 5.1K, 1%	Resistor, Chip, 1/16W, x%	5.1K	402	
86	1	R67	R0402, 51.1K, 1%	Resistor, Chip, 1/16W, x%	51.1K	402	
87	1	R3	R0402, 330K, 1%	Resistor, Chip, 1/16W, x%	330K	402	
88	1	R72	R0402, 510R, 1%	Resistor, Chip, 1/16W, x%	510R	402	
89	1	R56	R0402, 511R, 1%	Resistor, Chip, 1/16W, x%	511R	402	
90	1	R13	R0402, 7.5K, 1%	Resistor, Chip, 1/16W, x%	7.5K	402	
91	2	R9 R55	NA	Resistor, Chip, 1/16W, x%	NA	402	
92	1	R73	R0603, 0R0	Resistor, Chip, 1/16W, x%	0R0	402	
93	2	R37-38	R1206, 1K	Resistor, Metal Film, 1/4 watt, \pm	1K	1206	
94	4	R7 R10 R23-24	R1206, 30R	Resistor, Metal Film, 1/4 watt, \pm	22R	1206	
95	2	R2 R95	R0603 1%, 10, 1%	Resistor, Chip, 1/16W, 1%	10	603	
96	2	R30 R52	R0603 1%, 10R, 1%	Resistor, Chip, 1/16W, 1%	10R	603	
97	2	R17 R117	R0805 1%, 10R, 1%	Resistor, Chip, 1/8W, 1%	10R	805	
98	3	D10 D15-16	SOD-523, BAT54	Schottky SWITCH 30V SOD523	BAT54		
99	3	J2-3 J5	TP-5012-WHITE, TEST POINT	TEST POINT - WHITE	TEST POINT	0.125 x 0.125 inch	
100	2	+V0 -V0	TP-5012-WHITE2, TEST POINT	TEST POINT - WHITE	TEST POINT	0.125 x 0.125 inch	
101	1	U2	TPS715A33	IC LDO REG	TPS715A33	QFN-8	
102	1	U10	TPS7A4901	IC, +36V, +150mA, Ultralow-Noise, P	TPS7A4901	MSOP-8	
104	10	Q1-6 Q B1-2 Q T3-4	CSD19532Q5B	MOSFET, NChan, 100V, 4 millohm	CSD19532Q5B	SON 5*6	
105	2	U7-8	UCC27201AD	IC, HIGH/LOW SIDE DRIVER, 3A	UCC27201AD	QFN-8	
106	1	U5	UCCX7324DGN, UCC27324DGN	IC, Dual 4A High Speed Low-Side MOS	UCC27324DGN	MSOP-8	
107	1	U1	UCD3138RHA, UCD3138RHA	IC, Digital Power Controllers	UCD3138RHA	QFN	
108	1	T3	XFMR 755044, XFMR 5:2:2	POWER XFMR 400W 5:2:2	XFMR 5:2:2	26x29.5 mm	TDG
109	1	T4	XFMR PA1005 SERIES, 100:1 CURRENT SENSE XFMR	SMT 100:1 CURRENT SENSE XFMR	100:1 CURRENT SENSE XFMR	0.284 x 0.330 inch	PULSE

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