

Variant: 001  
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PMP23440 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1	1	150uF	EEUED2D151	Panasonic	CAP, AL, 150 uF, 200 V, +/- 20%, 0.16247 ohm, TH	16x25
2	C3	1	0.1uF	R82IC3100DQ60J	Kemet	CAP, Film, 0.1 uF, 250 V, +/- 5%, TH	7.2x4.5x9.5mm
3	C4	1	100uF	EEE-FC1H101P	Panasonic	CAP, AL, 100 uF, 50 V, +/- 20%, 0.3 ohm, SMD	SMT Radial G
4	C7	1	1000pF	VY2102M29Y5UG63V7	Vishay-Bccomponents	CAP, CERM, 1000 pF, 300 V, +/- 20%, Y5U, Radial Disc 7.5mm, Is=7.5	Radial Disc 7.5mm, Is=7.5
5	C8	1	1uF	C1608X5R1H105K080AB	TDK	CAP, CERM, 1 uF, 50 V, +/- 10%, X5R, 0603	0603
6	C100	1	220uF	EKZE500ELL221MJ16S	Chem-Con	CAP, AL, 220 uF, 50 V, +/- 20%, TH	D10xL16mm
7	C101	1	10uF	GRJ32ER71H106KE11L	MuRata	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, 1210	1210
8	C102	1	0.1uF	UMK105B7104MV-FR	Taiyo Yuden	CAP, CERM, 0.1 uF, 50 V, +/- 20%, X7R, 0402	0402
9	D1	1	150V	SMAJ150A	Littelfuse	Diode, TVS, Uni, 150 V, 243 Vc, 400 W, 1.6 A, SMA	SMA
10	D2	1	200V	CDBC5200-HF	Comchip Technology	Diode, Schottky, 200 V, 5 A, SMC	SMC
11	D3	1	400V	US1G-13-F	Diodes Inc.	Diode, Ultrafast, 400 V, 1 A, SMA	SMA
12	D4	1	200V	HD02-T	Diodes Inc.	Diode, Switching-Bridge, 200 V, 0.8 A, MiniDIP	MiniDIP
13	D5	1	75V	1N4148WT	Fairchild Semiconductor	Diode, Switching, 75 V, 0.3 A, SOD-523F	SOD-523F
14	F1	1		045201.5MRL	Littelfuse	Fuse, 1.5 A, 125VAC/VDC, SMD	SloBlo452
15	L1	1	100uH	DR74-101-R	Coiltronics	Inductor, Shielded Drum Core, Ferrite, 100 uH, 0.86 A, 0.383 ohm, SMD	DR74
16	L2	1	1mH	744821201	Würth Elektronik	Coupled inductor, 1 mH, 2 A, 0.045 ohm, TH	15 x 18 x 7.5mm
17	Q1	1	550V	IPD65R400CEAUMA1	Infineon Technologies	MOSFET, N-CH, 550 V, 13 A, DPAK	DPAK
18	R2, R7, R12	3	1.0Meg	CRCW08051M00JNEA	Vishay-Dale	RES, 1.0 M, 5%, 0.125 W, 0805	0805
19	R4	1	2.00k	RP73D2B2K0BTG	TE Connectivity	RES, 2.00 k, 0.1%, 0.25 W, 1206	1206
20	R5	1	0.15	MCR25JZHFLR150	Rohm	RES, 0.15, 1%, 0.5 W, 1210	1210
21	R6	1	10	RC0805FR-0710RL	Yageo America	RES, 10.0, 1%, 0.125 W, 0805	0805
22	R8	1	10.0k	MCS0402MD1002BE100	Vishay/Beyschlag	RES, 10.0 k, 0.1%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
23	R9	1	80.6k	CRCW120680K6FKEA	Vishay-Dale	RES, 80.6 k, 1%, 0.25 W, 1206	1206
24	R10	1	110	CRCW0402110RFKED	Vishay-Dale	RES, 110, 1%, 0.063 W, 0402	0402
25	R11	1	52.3k	RT0603DRE0752K3L	Yageo America	RES, 52.3 k, 0.5%, 0.1 W, 0603	0603
26	T2	1		RLTI-1452	Renco Electronics	Transformer Flyback (EPC17) for PMP23925	SMT9_0IN75_0IN93
27	TP1	1		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
28	TP2, TP5	2		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
29	TP3, TP4, TP6	3		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
30	U1	1		UCC28704DBVR-1	Texas Instruments	Off-Line Constant-Voltage Constant-Current Flyback Controller With Primary-Side Regulation (PSR), DBV0006A (SOT-23-6)	DBV0006A
31	C6	0	1000pF	06031C102MAT2A	AVX	CAP, CERM, 1000 pF, 100 V, +/- 20%, X7R, 0603	0603
32	R1	0	1.00k	RP73PF2A1K0BTDF	TE Connectivity	RES, 1.00 k, 0.1%, 0.25 W, 0805	0805
33	T1	0		RLTI-1453	Renco Electronics	Transformer Flyback (EFD20) for PMP23925	SMT10_0IN85_0IN80

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