

PMP22144 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
IPC1	1		PMP22144	Any	Printed Circuit Board	
C1, C9	2	47uF	450BXW47MEFC12.5X35	Rubycon	CAP, AL, 47 uF, 450 V, +/- 20%, TH	D12.5xL35mm
C2	1	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	603
C4, C5	2	270uF	EKZE350ELL271MH20D	Chemi-Con	CAP, AL, 270 uF, 35 V, +/- 20%, TH	D8xL20mm
C6	1	0.1uF	GRM319R71H104KA01D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 1206	1206
C7	1	1uF	GRM31MR71H105KA88L	MuRata	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 1206	1206
C8	1	0.033uF	B32672L1333J000	TDK	CAP, Film, 0.033 uF, 1600 V, +/- 5%, TH	18x9mm
C11	1	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X7R, 1206	1206
C12	1	0.1uF	GCM155R71H104KE02D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
C13	1	0.1uF	GCM188R71E104KA57D	MuRata	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
C15	1	1000pF	VY1102M35Y5UQ63V0	Vishay-Bccomponents	CAP, CERM, 1000 pF, X1 760 VAC/Y1 500 VAC, +/- 20%, Y5U, 9x5mm	9x5mm
D1	1	800V	GBU4K-E3/51	Vishay-Semiconductor	Diode, Switching-Bridge, 800 V, 3 A, TH	GBU
D2	1	200V	MBRD10200CT-13	Diodes Inc.	Diode, Schottky, 200 V, 5 A, DPAK	DPAK
D3	1	150V	SMCJ150A-TP	Micro Commercial Components	Diode, TVS, Uni, 150 V, 243 Vc, SMC	SMC
D4	1	1000V	US1M-13-F	Diodes Inc.	Diode, Ultrafast, 1000 V, 1 A, SMA	SMA
D5	1	200V	SMD1200PL-TP	Micro Commercial Components	Diode, Schottky, 200 V, 1 A, SOD-123FL	SOD-123FL
D6	1	100V	1N4148W-7-F	Diodes Inc.	Diode, Ultrafast, 100 V, 0.15 A, SOD-123	SOD-123
D7	1	20V	MMSZ5250B-7-F	Diodes Inc.	Diode, Zener, 20 V, 500 mW, SOD-123	SOD-123
F1	1		0477005.MXP	Littelfuse	Fuse, 5 A, 500 VAC, 400 VDC, N/A	
J1	1		691214310002	Würth Elektronik	Terminal Block, 2x1, 3.81mm, 24-16 AWG, 10A, 300VAC, TH	2x1 Terminal Block
L1	1	330nH	744373240033	Würth Elektronik	Inductor, Shielded Drum Core, Powdered Iron, 330 nH, 8 A, 0.0078 ohm, SMD	4.45x1.8x4.06mm
L2	1	5mH	744821150	Würth Elektronik	Coupled inductor, 5 mH, 0.22 ohm, TH	15 x 18 x 7.5mm
L3	1	140uH	7447031	Würth Elektronik	Inductor, Toroid, Powdered Iron, 140 uH, 1 A, 0.11 ohm, TH	D13.5xH7mm
Q1	1	1000V	TSM3N100CP	Taiwan Semiconductor	MOSFET, N-CH, 1000 V, 2.5 A, DPAK	DPAK
R2, R3, R4, R5	4	499k	CRCW1206499KFKEA	Vishay-Dale	RES, 499 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R6	1	0.75	CSRN2010FKR750	Stackpole Electronics Inc	RES, 0.75, 1%, 1 W, 2010	2010
R7	1	51.1k	CRCW060351K1FKEA	Vishay-Dale	RES, 51.1 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R8	1	619	CRCW0402619RFKED	Vishay-Dale	RES, 619, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R9	1	26.1k	CRCW060326K1FKEA	Vishay-Dale	RES, 26.1 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R10	1	0	CRCW0402000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	402
R11	1	19.6k	CRCW040219K6FKED	Vishay-Dale	RES, 19.6 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R12	1	665	CRCW0402665RFKED	Vishay-Dale	RES, 665, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R14	1	383k	CRCW0402383KFKED	Vishay-Dale	RES, 383 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R15	1	80.6k	CRCW040280K6FKED	Vishay-Dale	RES, 80.6 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R16	1	44.2k	CRCW040244K2FKED	Vishay-Dale	RES, 44.2 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R17	1	10.0k	AC0402FR-0710KL	Yageo America	RES, 10.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
RT1	1	10	B57153S0100M000	TDK	Thermistor NTC, 10 ohm, 20%, 8.5mm Disc	8.5mm Disc
T1	1		4814181R	Mintronix	Transformer	PTH_TRANSFORMER_DIP9
TP1	1		5127	Keystone	Test Point, Multipurpose, Blue, TH	Blue Multipurpose Testpoint
TP2	1		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP3	1		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
TP4	1		5125	Keystone	Test Point, Multipurpose, Brown, TH	Brown Multipurpose Testpoint
TP5	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP6	1		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP7	1		5004	Keystone	Test Point, Miniature, Yellow, TH	Yellow Miniature Testpoint
TP8	1		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint

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U1	1		UCC28742DBVR	Texas Instruments	High-Efficiency Low-Cost Flyback Controller with Secondary-Side Regulation, DBV0006A (SOT-23-6)	DBV0006A
U2	1		VO618A-3	Vishay-Semiconductor	Optocoupler, 5.3 kV, 100-200% CTR, SMT	DIP, 4-Leads, Body 6.86x4.83mm, Pitch 2.54mm
U3	1		ATL432LIBIDBZR	Texas Instruments	2.5V Low Iq Adjustable Precision Shunt Regulator, DBZ0003A (SOT-23-3)	DBZ0003A
C3	0	270uF	EKZE350ELL271MH20D	Chemi-Con	CAP, AL, 270 uF, 35 V, +/- 20%, TH	D8xL20mm
C10	0	100pF	CC0402KRX7R9BB101	Yageo America	CAP, CERM, 100 pF, 50 V, +/- 10%, X7R, 0402	402
C14	0	6800pF	GRM155R71H682KA88D	MuRata	CAP, CERM, 6800 pF, 50 V, +/- 10%, X7R, 0402	402
R1	0	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R13	0	10.0k	AC0402FR-0710KL	Yageo America	RES, 10.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402

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