

PMP30070 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2	2	2200pF	R413F12200000M	Kemet	CAP, Film, 2200 pF, 300 VAC, Class Y2, R41 +/- 20%, TH	13x4x9mm
C3, C4	2	22uF	UCY2H220MHD	Nichicon	CAP, AL, 22 µF, 500 V, +/- 20%, TH	12.5x37mm
C5	1	0.1uF	R474I31005001K	Kemet	CAP, Film, Safety X2, 0.1 µF, 440 Vac, +/- 10%, TH	18.5x11x20mm
C6	1	1000uF	EKZM160ELL102MJ16S	Chemi-Con	CAP, AL, 1000 µF, 16 V, +/- 20%, TH	D10xL16mm
C7, C8, C9	3	100uF	EKZM160ETD101ME11D	United Chemi-Con	CAP, AL, 100 µF, 16 V, +/- 20%, TH	RCAP, 5x12.5mm
C10	1	47uF	EEU-FM1E470	Panasonic	CAP, AL, 47 µF, 25 V, +/- 20%, 0.3 ohm, TH	5.0x11.0mm
C11	1	47pF	C0603C470J5GACTU	Kemet	CAP, CERM, 47 pF, 50 V, +/- 5%, COG/NPO, 0603	0603
C12	1	0.1uF	C1608X7R1H104K080AA	TDK	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	0603
D1, D2	2	1N4007	1N4007	Fairchild Semiconductor	Diode, P-N, 1000 V, 1 A, TH	DO-41
D3	1	ES2D-13-F	ES2D-13-F	Diodes Inc.	Diode, Ultrafast, 200 V, 2 A, SMB	SMB
D4, D5	2	78V	SMAJ78A	Diodes Inc.	Diode, TVS, Uni, 78 V, 400 W, SMA	SMA
D6	1	US1J-13-F	US1J-13-F	Diodes Inc.	Diode, Ultrafast, 600 V, 1 A, SMA	SMA
D7	1	RF071M2S	RF071M2S	Rohm	Diode, Ultrafast, 200 V, 1 A, SOD-123	SOD-123
D8	1	ES1D-13-F	ES1D-13-F	Diodes Inc.	Diode, Ultrafast, 200 V, 1 A, SMA	SMA
D100, D101	2	13V	CMZ5928B-NSG	Central Semiconductor	Diode, Zener, 15 V, 1.5 W, SMA	SMA
D102	1	16V	MMSZ4703T1G	ON Semiconductor	Diode, Zener, 16 V, 500 mW, SOD-123	SOD-123
J1	1		CIM029P5	CIM	Header (Shrouded), 5.08 mm, 2x1, Tin, R/A, TH	Header, 5.08 mm, 2x1, TH
L1	1	1mH	7447462102	Würth Elektronik	Inductor, Unshielded Drum Core, Ferrite, 1 mH, 0.25 A, TH	D6 x 8.5mm
L2, L3	2	10uH	SD43-103MLB	Coilcraft	Inductor, Ferrite, 10 µH, 2.1 A, 0.18 ohm, SMD	4.2x4.7mm
Q1	1	BSS138K	BSS138K	Fairchild Semiconductor	MOSFET, N-CH, 50 V, 0.22 A, SOT-23	SOT-23
R1, R2, R4, R5	4	1.00Meg	CRCW12061M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.25 W, 1206	1206
R3	1	18.2k	CRCW060318K2FKEA	Vishay-Dale	RES, 18.2 k, 1%, 0.1 W, 0603	0603
R6	1	47.5	CRCW080547R5FKEA	Vishay-Dale	RES, 47.5, 1%, 0.125 W, 0805	0805
R7	1	15.0	CRCW120615R0FKEA	Vishay-Dale	RES, 15.0, 1%, 0.25 W, 1206	1206
R8	1	73.2k	CRCW060373K2FKEA	Vishay-Dale	RES, 73.2 k, 1%, 0.1 W, 0603	0603
R9	1	100	CRCW2010100RJNEF	Vishay-Dale	RES, 100, 5%, 0.75 W, 2010	2010
R10	1	402k	RC0603FR-07402KL	Yageo America	RES, 402 k, 1%, 0.1 W, 0603	0603
R11	1	25.5k	CRCW060325K5FKEA	Vishay-Dale	RES, 25.5 k, 1%, 0.1 W, 0603	0603
R12	1	8.25k	CRCW06038K25FKEA	Vishay-Dale	RES, 8.25 k, 1%, 0.1 W, 0603	0603
R13	1	22.6k	RC0603FR-0722K6L	Yageo America	RES, 22.6 k, 1%, 0.1 W, 0603	0603
R14	1	1.30k	RC0603FR-071K3L	Yageo America	RES, 1.30 k, 1%, 0.1 W, 0603	0603
RF1	1	10	PWR4522AS10R0JA	Bourns	RES, 10, 5%, 3 W, Axial	Axial
RV1	1	460VAC	MOV-14D751KTR	Bourns	Metal Oxide Varistor, 460VAC, 4.5KA TH	D16.5xT6.7mm
T1	1	DNP	DNP	Würth Elektronik	Do Not Populate	24.38x20.32mm (h=16mm)
T100	1	1.2mH	7508110347r01	Würth Elektronik	Transformer, Flyback, 1.2mH, TH	TH, 25x22.2mm
TP1	1	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2, TP3	2	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP4	1	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
U1	1	UCC28911DR	UCC28911DR	Texas Instruments	High Voltage Flyback Switcher with Primary-side Regulation	D0007A
U2	1	LM8364BALMFX20/NOPB	LM8364BALMFX20/NOPB	Texas Instruments	Micropower Undervoltage Sensing Circuits, Open Drain Active Low Output, 2.0V Threshold, 5-pin SOT-23	MF05A

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