

PMP30951 RevB Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
+10V_pri, +15V_1, +15V_2, +15V_3, -5V_1, -5V_2, -5V_3, GND_pri, rtn_1, rtn_2, rtn_3	11	Double	1503-2	Keystone	Terminal, Turret, TH, Double	Keystone1503-2
C1	1	100uF	EEH-ZC1H101P	Panasonic	CAP, Polymer Hybrid, 100 µF, 50 V,+/- 20%, 0.028 ohm	SMD, D10xL10.2mm
C2, C3, C4, C8, C11, C15	6	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, 1210	1210
C5	1	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	0603
C7, C9, C10, C12, C14, C18, C24, C25	8	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 uF, 25 V, +/- 10%, X7R, 1210	1210
C13	1	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1 µF, 50 V,+/- 10%, X7R, 0805	0805
C16	1	1uF	GRM188R71C105KA12D	MuRata	CAP, CERM, 1 µF, 16 V, +/- 10%, X7R, 0603	0603
C17	1	1000pF	GRM188R71E102KA01D	MuRata	CAP, CERM, 1000 pF, 25 V,+/- 10%, X7R, 0603	0603
C19	1	1000pF	HV1812Y102KXVATHV	Vishay-Vitramon	CAP, CERM, 1000 pF, 4000 V,+/- 10%, X7R, 1812	1812
C20	1	10pF	GRM1885C1H100JA01D	MuRata	CAP, CERM, 10 pF, 50 V,+/- 5%, COG/NP0, 0603	0603
C21	1	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V,+/- 5%, COG/NP0, 0603	0603
C22	1	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 µF, 25 V,+/- 10%, X7R, 0603	0603
C23	1	0.068uF	GRM188R71E683KA01D	MuRata	CAP, CERM, 0.068 µF, 25 V,+/- 10%, X7R, 0603	0603
D1, D5, D9	3	200V	DFLS1200-7	Diodes Inc.	Diode, Schottky, 200 V, 1 A, PowerDI123	PowerDI123
D2, D7, D11	3	15V	MMSZ5245B-7-F	Diodes Inc.	Diode, Zener, 15 V, 500 mW, SOD-123	SOD-123
D3, D8, D13	3	5.1V	MMSZ5231B-7-F	Diodes Inc.	Diode, Zener, 5.1 V, 500 mW, SOD-123	SOD-123
D4, D6	2	100V	BAT46WH,115	Nexperia	Diode, Schottky, 100 V, 0.25 A, SOD-123F	SOD-123F
D10, D101	2	30V	BAT54LP-7	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, 1.00x0.50x0.60mm	SMD, 1.00x0.50x0.60mm
D12	1	100V	DFLS1100-7	Diodes Inc.	Diode, Schottky, 100 V, 1 A, PowerDI123	PowerDI123
D102	1	13V	PTVS13VS1UR,115	Nexperia	Diode, TVS, Uni, 13 V, 21.5 Vc, SOD-123W	SOD-123W
J1	1		1725656	Phoenix Contact	Terminal Block, 100mil, 2x1, 6A, 63V, TH	6.2x8.5x5.54 mm
Q1	1	80V	BSC340N08NS3 G	Infineon Technologies	MOSFET, N-CH, 80 V, 23 A, PG-TDSON-8	PG-TDSON-8
R1, R5	2	10.0	CRCW080510R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.125 W, 0805	0805
R3, R7, R12	3	15.0k	CRCW060315K0FKEA	Vishay-Dale	RES, 15.0 k, 1%, 0.1 W, 0603	0603
R4, R9, R15	3	5.11k	CRCW06035K11FKEA	Vishay-Dale	RES, 5.11 k, 1%, 0.1 W, 0603	0603
R6	1	365k	CRCW0603365KFKEA	Vishay-Dale	RES, 365 k, 1%, 0.1 W, 0603	0603
R8, R10	2	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
R11	1	4.64	CRCW08054R64FKEA	Vishay-Dale	RES, 4.64, 1%, 0.125 W, 0805	0805
R13	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R14	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
R16	1	0.01	WSL0805R0100FEA18	Vishay-Dale	RES, 0.01, 1%, 0.25 W, AEC-Q200 Grade 0, 0805	0805
R17, R21	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R18	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R19	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R20	1	110k	CRCW0603110KFKEA	Vishay-Dale	RES, 110 k, 1%, 0.1 W, 0603	0603
R22	1	1.10k	CRCW06031K10FKEA	Vishay-Dale	RES, 1.10 k, 1%, 0.1 W, 0603	0603
T1	1		ZB1465-AL	Coilcraft	Flyback Transformer, 1.62uH, 1:1.5:3:3:3, VISO 3kVrms	SMD, 21.97x17.2x8.64mm
TP1	1		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP2	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP3	1		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint

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TP5	1		5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
TP6	1	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP7, TP8	2	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		LM51551QDSSTQ1	Texas Instruments	Auto Grade 2.2-MHz Wide Input Non-sync Boost Ctrl	DSS0012C (WSON-12)

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