PMP4444 REV E1 Bill of Materials



Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C5	1	22uF	25ML22MEFC5X5	Rubycon	CAP, AL, 22uF, 25V, +/-20%, TH	RCAP, 5x5mm
C6	1	1uF	C3216X7R1E105K085AA	TDK	CAP, CERM, 1uF, 25V, +/-10%, X7R, 1206	1206
C7	1	0.1uF	C0603C104K3RACTU	Kemet	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603	0603
R2	1	4.7	ERJ-6RQF4R7V	Panasonic	RES, 4.70 ohm, 1%, 0.125W, 0805	0805
BR1	1	800V	GBU4K-E3/45	Vishay-Semiconductor	Diode, Switching-Bridge, 800V, 4A, TH	GBU
C1	1	1000pF	08051C102KAT2A	AVX	CAP, CERM, 1000pF, 100V, +/-10%, X7R, 0805	0805
C2, C10	2	0.33uF	BFC233840334	Vishay-Bccomponents	CAP, Film, 0.33uF, 630V, +/-20%, TH	17.5x16.5x10mm
C3, C4, C8, C9, C18, C33	6	2200pF	DE1E3KX222MA5BA01	MuRata	CAP, CERM, 2200pF, 250V, +/-20%, E, Disc 10x8mm	Disc 10x8mm
C11	1	120pF	06035A121JAT2A	AVX	CAP, CERM, 120pF, 50V, +/-5%, C0G/NP0, 0603	0603
C12, C13	2	100uF	400KXW100MEFC16X30	Rubycon	CAP, AL, 100uF, 400V, +/-20%, TH	RCAP, 16x30mm
C14	1	10pF	06035A100JAT2A	AVX	CAP, CERM, 10pF, 50V, +/-5%, C0G/NP0, 0603	0603
C15	1	2200pF	CS11-E2GA222MYNS	TDK	CAP, CERM, 2200pF, 250V, +/-20%, E, Radial Disc D10.5x7mm	Radial Disc D10.5x7mm
C16	1	10pF	12062A100JAT2A	AVX	CAP, CERM, 10pF, 200V, +/-5%, C0G/NP0, 1206	1206
C17, C19	2	0.082uF	0603YC823KAT2A	AVX	CAP, CERM, 0.082uF, 16V, +/-10%, X7R, 0603	0603
C20, C21, C22, C23, C24, C25	6	680uF	UHW1V681MPD6	Nichicon	CAP, AL, 680uF, 35V, +/-20%, 0.019 ohm, TH	10x20mm
C26	1	1uF	08055C105KAT2A	AVX	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0805	0805
D1	1	200V	ES1D13-F	Diodes Inc.	Diode, Ultrafast, 200V, 1A, SMA	SMA
D2	1	100V	BZX100A, 115	NXP Semiconductor	Diode, Zener, 100V, 310mW, SOD-323F	SOD-323F
D3, D4	2	1000V	1N4007	Fairchild Semiconductor	Diode, P-N, 1000V, 1A, TH	DO-41
D5	1	82V	1SMB5947BT3G	ON Semiconductor	Diode, Zener, 82V, 550mW, SMB	SMB
D6	1	100V	1SMB5949BT3G	ON Semiconductor	Diode, Zener, 100V, 550mW, SMB	SMB
D7	1	100V	BAS316,115	NXP Semiconductor	Diode, Ultrafast, 100V, 0.25A, SOD-323	SOD-323
D8	1	70V	BAV70-V	Vishay-Semiconductor	Diode, Switching, 70V, 0.25A, SOT-23	SOT-23
D9	1	600V	MURS160-13-F	Diodes Inc.	Diode, Ultrafast, 600V, 1A, SMB	SMB
D10, D11	2	100V	NTST30100CTG	ON Semiconductor	Diode, Schottky, 100V, 15A, TH	TO-220AB
D12	1	30V	DFLZ30-7	Diodes Inc.	Diode, Zener, 30V, 1W, PowerDI123	PowerDI123
F1	1		39213150000	Littelfuse	Fuse, 3.15A, 250V, TH	8x8.5x4mm
J1	1		1757255	TE Connectivity	Header, 3x1 5.08mm, TH	17.24x8.6x12mm
J3	1		923345-05-C	3M	Jumper Wire, 500mil spacing, Green, pkg of 200	500 mil Jumper Wire
J4, J5	2		20020110-H021A01LF	FCI	Terminal Block, 2x1, 5.08mm, TH	12.16x8.8x12mm
J6	1		131-3701-261	Emerson Network Power	Connector, SMB, Vertical RCP 0-4GHz, 50 ohm, TH	236x293x236mil
L1	1	12mH	B82720K2301N040	EPCOS Inc	Inductor, Drum Core, Ferrite, 12mH, 0.3A, 1.1 ohm, TH	13x14x9.5mm
L2	1	47.7uH	RLTI-1098	Renco Electronics	Inductor, Toroid, ?, 47.7uH, A, 0.04 ohm, TH	8.38x16.5x13.72
LED1, LED2	2	Green	HLMP1523	Everlight	LED, Green, TH	LED, 3x4.5mm
Q1	1	650V	IPP60R199CP	Infineon Technologies	MOSFET, N-CH, 650V, 16A, TO-220AB	TO-220AB
Q2	1	0.7V	BC847CLT1G	ON Semiconductor	Transistor, NPN, 45V, 0.1A, SOT-23	SOT-23
R1	1	100k	RC1206FR-07100KL	Yageo America	RES, 100k ohm, 1%, 0.25W, 1206	1206
R3, R4	2	100k	RC1206FR-07100KL	Yageo America	RES, 100k ohm, 1%, 0.25W, 1206	1206
R5, R17	2	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.25W, 1206	1206
R6	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00k ohm, 1%, 0.1W, 0603	0603
R7	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.1W, 0603	0603

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Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R8	1	0	CRCW120647K0JNEA	Vishay-Dale	RES, 47k ohm, 5%, 0.25W, 1206	1206
R9	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100 ohm, 1%, 0.1W, 0603	0603
R10	1	4.9k	CRCW120624K9FKEA	Vishay-Dale	RES, 24.9k ohm, 1%, 0.25W, 1206	1206
R11	1	20k	CRCW120624K9FKEA	Vishay-Dale	RES, 24.9k ohm, 1%, 0.25W, 1206	1206
R12	1	47k	CRCW120647K0JNEA	Vishay-Dale	RES, 47k ohm, 5%, 0.25W, 1206	1206
R13	1	1.00	CRCW12061R00FKEA	Vishay-Dale	RES, 1.00 ohm, 1%, 0.25W, 1206	1206
R14	1	390K	CRCW120647K0JNEA	Vishay-Dale	RES, 47k ohm, 5%, 0.25W, 1206	1206
R15	1	3.90k	RC0603FR-073K9L	Yageo America	RES, 3.90k ohm, 1%, 0.1W, 0603	0603
R16	1	47.0	RC1206FR-0747RL	Yageo America	RES, 47.0 ohm, 1%, 0.25W, 1206	1206
R18	1	4.7	CRCW12064R70JNEA	Vishay-Dale	RES, 4.7 ohm, 5%, 0.25W, 1206	1206
R19	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100k ohm, 1%, 0.1W, 0603	0603
R20	1	0.27	ERJ-1TRQFR27U	PANÁSONIC	PANASONIC - ERJ-1TRQFR27U - SISTOR, THICK FILM, 0.27 OHM, 1W,	2512
R21, R22	2	1.00k	CRCW12061K00FKEA	Vishay-Dale	1% RES, 1.00k ohm, 1%, 0.25W, 1206	1206
R23	1 1	10K	RC1206FR-078K2L	Yageo America	RES, 8.20k ohm, 1%, 0.25W, 1206	1206
R24, R27, R28, R29, R30, R31, R32	7	8.20k	RC1206FR-078K2L	Yageo America	RES, 8.20k ohm, 1%, 0.25W, 1206	1206
R25	1	39k	CRCW120639K0JNEA	Vishay-Dale	RES, 39k ohm, 5%, 0.25W, 1206	1206
R26	1	1K	RC1206FR-078K2L	Yageo America	RES, 8.20k ohm, 1%, 0.25W, 1206	1206
RT1	1	470k	B57164K474J	EPCOS Inc	Thermistor NTC, 470k ohm, 5%, Disc, 5.5x5mm	Disc, 5.5x5mm
T1	1	260uH	RLTI-1100	Renco Electronics	Transformer, 260uH, TH	45.72x24.64x27.94m m
TP1, TP2, TP7, TP8, TP9, TP10, TP14	7	Red	5005	Keystone	Test Point, Compact, Red, TH	Red Compact Testpoint
TP6, TP11, TP12, TP13	4	Black	5006	Keystone	Test Point, Compact, Black, TH	Black Compact Testpoint
U1	1		UCC28630D	Texas Instruments	Green-Mode Flyback Controller, D0007A	D0007A
V1	1		B72214S0271K101	EPCOS Inc	Varistor, 430V, 4.5KA, TH	Disc, 14x5mm
[NoValue], C27	2	1uF	12063C105KAT2A	AVX	CAP, CERM, 1uF, 25V, +/-10%, X7R, 1206	1206

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