

PMP5454_REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C1, C2	180uF	Capacitor, Aluminum SP, 6.3-V, 20%	7343	EEFSE0J181R	Panasonic
1	C12	22uF	Capacitor, Ceramic, 16-V, X7R, 20%	1210	C3225X7R1C226M	TDK
1	C14	100pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	C1608C0G1H101J	TDK
1	C15	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK
1	C16	0.033uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H333K	TDK
1	C19	1000pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H102K	TDK
5	C3, C8, C9, C13, C17	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
2	C4, C5	2.2uF	Capacitor, Ceramic, 100-V, X7R, 20%	1210	C3225X7R2A225M	TDK
1	C6	0.047uF	Capacitor, Ceramic, 250-V, X7R	1206	C3216X7R2E473M	TDK
1	C7	DNP	Do Not Populate	1812	N/A	N/A
2	D1, D3	MMDL914T1	Diode, Switching, 100-V, 200-mA, 200-mW,	SOD-323	MMDL914T1	On Semiconductor
1	D4	10V	Diode, Zener, 200mW, 10V	SOD-323	BZT52C10S	Diodes Inc
1	J1	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	J2	ED1609-ND	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	ED1609	OST
1	L1	2.8uH	Inductor, SMT, 17A	0.512 x 0.571 inch	PG0077.282	Pulse
2	Q1, Q2	CSD16414Q5	MOSFET, NChan, 25V, 34A, 2.1millohm	PWRPAK S0-8	CSD16414Q5	
2	Q3, Q100	MMBT2907A	Transistor, PNP, -60V, -600mA, 225-W	SOT23	MMBT2907A	ON Semiconductor
1	Q4	Si2325DS	MOSFET,P-ch, -150 V, 690-mA, 1.2 Ohms	SOT-23	Si2325DS	Vishay
1	Q5	Si7846DP	MOSFET, NChannel, 150V, 6.7A, 50 millohm	PWRPAK S0-8	Si7846DP	Vishay-Siliconix
1	Q6	MMBT3904	Bipolar, NPN, 40-V, 200-mA, 225-W	SOT23	MMBT3904LT1	On Semiconductor
2	R1, R101	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	75k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	3.74k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	1.74k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	49.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	499	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	3.01k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R22	6.04k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R24	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R3, R21	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	0.068	Resistor, Chip, 1/2W, 5%	2010	Std	Std
3	R6, R15, R17	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	15k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R8, R9, R10	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	PA0457	XFMR, High Frequency Planar, 67W	0.750 x 0.780 inch	PA0457	Pulse
4	TP1, TP2, TP5, TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone
2	TP3, TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100	5001	Keystone
1	U1	UCC2897ARTJ	IC, Active Clamp PWM Controller	QFP-20	UCC2897ARTJ	Texas Instruments
1	U2	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay
1	U3	TLV431A	IC, Precision Adjustable Shunt Regulator	SOT23-3	TLV431ACDBZR	Texas Instruments

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