

PMP5195_REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	1000pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H102K	TDK
3	C10, C13, C15	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C11	1500pF	CAP, CERM DISC Y1, 250Vac, 20%	.500 X .310	ECKDNA152ME	Panasonic
1	C12	DNP	Do Not Populate	0603	N/A	N/A
1	C14	56uF	Capacitor, Aluminum Electrolytic, 35V	0.248 inch	35V ZL 56uF 6.3 X 11	Rubycon
1	C16	0.022uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H223K	TDK
1	C17	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C2	100uF	Capacitor, Aluminum, 450V, 10%	0.886 Dia.	ECOS2WB101BA	Panasonic
1	C3	0.01uF	Capacitor, Polyester Film, 400V, 10%	0.311 x 0.213 inch	ECQ-E4103KB	Panasonic
5	C4, C5, C6, C7, C8	22uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	C3225X7R1C226MT	TDK
1	C9	470uF	Capacitor, Aluminum Electrolytic, 16V	0.315 inch	16V ZL 470uF 10 X 12.5	Rubycon
1	D1	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor
1	D2	US1K-13	Diode, Rectifier, 1A, 800V	SMA	US1K-13	Diodes Inc
1	D3	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	D4	MBR0520L	Diode, Schottky, 0.5A, 20V	SOD-123	MBR0520L	Fairchild
1	J1	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	JP1	923345-04-C	Jumper, 0.400 inch length, PVC Insulation, AWG 22,	0.035 inch Dia.	923345-04-C	3M
1	JP2	923345-02-C	Jumper, 0.200 inch length, PVC Insulation, AWG 22,	0.035 inch Dia.	923345-02-C	3M
1	L1	2.2uH	Inductor, Power, 5A	0.350 x 0.300 inch	RFB0807-2R2L	Coilcraft
2	Q1, Q2	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semiconductor
1	Q3	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semiconductor
1	Q4	BSZ042N04NS	MOSFET, Nch, 40V, 40A, 4.2 milliohm	TDSON-8	BSZ042N04NS	Infineon
1	Q5	SPP06N80C3	Trans, Nchan, 800V, 6A, 900 milliohm	TO-220AB	SPP06N80C3	Infineon
1	R1	100	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R10	0.22	Resistor, Chip, 1/16W, 5%	0805	Std	Std
1	R11	187k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R12, R13	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	54.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R15	75k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	69.8k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	4.99k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std

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COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	R19	2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R2, R5	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R20	20k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R21	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R22	2.61k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R3, R4, R6, R7	100k	Resistor, Chip, 1/2W, 5%	2010	Std	Std
2	R8, R9	3MEG	Resistor, 1/4 watt, 5%	1206	Std	Std
1	T1	700 uH	Transformer, Flyback, ±10%	31.00 X 32.00 mm	G094289LF	GCI
1	T2	PA1005.100NL	Transformer, Current Sense, 100:1	0.284 x 0.330 inch	PA1005.100NL	Pulse
2	TP1, TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP2, TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	UCC28610D	IC, Flyback Green-Mode Controller	SO8	UCC28610D	TI
1	U2	H11A817A	IC, Optocoupler, 5300-V, 80-160% CTR	0.380 x 0.180 inch	H11A817A	Fairchild
1	U3	TL431AIDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZ	TI

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