

PMP3155_REVC BOM

COUNT	RefDes	Value	Description	Part Number	Mfr
1	C1	0.1uF	Capacitor, Polyester Film, 400-V, ±10%	2222 373 51104	Vishay BC
1	C11	0.01uF	Capacitor, Ceramic, 25V, X7R	C1608X7R1E103K	TDK
1	C12	0.01uF	Capacitor, Ceramic, 0.01 uF, 500V, X7R, ±10 %	12107C103KAT2A	AVX
1	C14	330uF	Capacitor, Aluminum, 80V, ±20%	EEVFK1K331M	Panasonic
1	C15	220pF	Capacitor, Ceramic, 630V, NPO, 5%	C3216C0G2J221J	TDK
1	C16	0.047uF	Capacitor, Polyester Film, 400-V, ±10%	222 370 51473	Vishay BC
1	C2	4.7uF	Capacitor, Aluminum, 250V, ±20%	ECA-2EHG4R7	Panasonic
3	C3, C9, C13	1.0uF	Capacitor, Ceramic, 16-V, X7R, 10%	C1608X7R1C105K	TDK
1	C4	4.7uF	Capacitor, Aluminum, 35V, ±20%	EEVFK1V4R7R	Panasonic
1	C5	1000pF	Capacitor, Ceramic, 50-V, X7R, 10%	C1608X7R1H102K	TDK
3	C6, C8, C10	0.1uF	Capacitor, Ceramic, 25-V, X7R, 10%	C1608X7R1E104K	TDK
1	C7	100pF	Capacitor, Ceramic, 50-V, X7R, 10%	C1608X7R1H101K	TDK
3	D19, D20, D27	MURA160T3	Diode, Ultrafast Rectifier, 1-A, 600-V	MURA160T3	On Semi
2	D25, D26	1N4148	Diode, Signal, 300-mA, 75-V, 350-mW	1N4148W	Diodes, Inc.
1	D5	DF04S	Bridge Rectifier, 400-V, 1-A, Glass Passivated, SMD	DFXXXS	Diodes
1	D6	1N4744A	Diode, Zener, 15V, 1W	1N4744A	Diodes
2	J1, J2		Terminal Block, 2-pin, 15-A, 5.1mm	ED1609	OST
1	JP1	PTC36SAAN	Header, 2 pin, 100mil spacing, (36-pin strip)	PTC36SAAN	Sullins
1	L1	1.2 mH	Inductor, 825-mA, 977-mOhm	4590R-125K	API Delevan
1	Q2	MJD340	Power Trans, N-ch, 300-V, 0.5-A,15-W	MJD340	On Semi
1	Q4	IRFBC30	MOSFET, N-ch, 600-V, 3.6-A, 1.8-Ohms	IRFBC30	IR
1	Q5	MMBT3906TT1	Bipolar, PNP, -40V, -200mA, -200mW	MMBT3906TT1	On Semi
3	R1, R2, R16	7.50k	Resistor, Chip, 1/16-W, 1%	Std	Std
2	R12, R17	287k	Resistor, Chip, 1/8W, 1%	Std	Std
2	R13, R15	49.9k	Resistor, Chip, 1/16-W, 1%	Std	Std
1	R14	20.0k	Resistor, Chip, 1/16-W, 1%	Std	Std
2	R18, R19	1	Resistor, Chip, 1W, 1%	Std	Std
1	R20	10.0k	Resistor, Chip, 1/16-W, 1%	Std	Std
2	R3, R21	1.00k	Resistor, Chip, 1/16-W, 1%	Std	Std
1	R4	10	Resistor, Chip, 1/16-W, 1%	Std	Std
1	R5	51k	Resistor, Metal Oxide Film, 2-W, ±5%,	ERG-2SJ513	Panasonic
2	R8, R9	5.6k	Resistor, Metal Oxide Film, 3-W, ±5%	ERG-3SJ562	Panasonic
6	TP1, TP3, TP5, TP6, TP7, TP8	5000	Test Point, Red, Thru Hole Color Keyed	5000	Keystone
2	TP2, TP9	5001	Test Point, Black, Thru Hole Color Keyed	5001	Keystone
1	U1	UCC3809x-P	IC, Economy Primary-Side Controller, xx-V Startup	UCC3809x-P	TI
1	U2	TLC272	IC, Dual Operational Amplifiers	LM358D	TI

Recommended LED's

16	D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D21, D22, D23, D24	LXHL White LED	LED, OSRAM SIDELED	Q65110A0xxx	Osram
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