

# 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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