

PMP5967_REVC BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	330uF	Capacitor, Aluminum, 420V, 20%	22 x 35 mm	EET-UQ2S331LA	Panasonic
1	C100	0.47uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	STD	STD
2	C101, C102	47pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	STD	STD
1	C12	220pF	Capacitor, Ceramic, 1kV, C0G	1808	Std	Std
1	C18	4700uF	CAP 4700UF 16V ELECT KY RAD	0.571 inch	EKY-160ELL472MLN3S	United Chemi-Con
9	C2, C3, C4, C5, C19, C23, C26, C28, C31	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	C1608X7R1C105K	TDK
2	C20, C21	0.033uF	Capacitor, Film, TH, 400V	6.4x12.5mm	ECWF4333HL	Panasonic
1	C24	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK
1	C25	1500pF	CAP, CERM DISC Y1, 250Vac, 20%	.500 X .310	ECKDNA152ME	Panasonic
4	C29, C30, C103, C104	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
3	C6, C22, C27	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
10	C7, C8, C9, C10, C11, C13, C14, C15, C16, C17	22uF	Capacitor, Ceramic, 16V, X5R, 15%	1210	STD	STD
2	D1, D3	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
4	D2, D4, D5, D8	BAV99	Diode, Dual Ultra Fast, Series, 200-mA, 70-V	SOT23	BAV99	Fairchild
1	D6	MBR0560	Diode, Schottky, 500-mA, 60-V	SOD123	MBR0560	STD
1	D7	5.1V	Diode, Zener, 5.1-V	SOT23	BZX84C5V1LT1	ON Semiconductor
1	HS1	529702 B 0 25 00	Heatsink, Vertical-mount With Solderable Pins	1.000 x 1.650 inch	529702 B 0 25 00	Aavid
2	J3, J4	33457	Lug, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated	0.375 x1.00 inch	33457	AMP
1	L1	30 uH	Inductor, 10±%	0.700 x 0.760 inch	PA3329NL	Pulse
1	L2	0.44uH	Inductor, SMT Power 20%	0.510 x 0.530 inch	SLC1480-441ML	Coilcraft
6	Q1, Q3, Q6, Q10, Q11, Q12	CSD18501Q5A	MOSFET N-CH 40V 8SON	SO-8	CSD18501Q5A	TI
2	Q2, Q5	IPP50R350CP	Trans, Nchan, 550V, 10A, 350 millohm	TO-220AB	IPP50R350CP	Infineon
2	Q4, Q8	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semiconductor
2	Q7, Q9	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semiconductor
2	R1, R11	221k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
5	R10, R101, R102, R103, R104	100	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R105, R106, R107, R108	10	Resistor, 1W, 5%	2512	STD	STD
1	R12	2.94k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R14, R18	499k	Resistor, Chip, 1/16W, 1%	1206	Std	Std
1	R15	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R16, R109, R110	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R17, R19	2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R2, R13, R21, R22	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R23	2.61k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R24	17.8k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R3, R5	3	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R4, R6, R20	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	0.05	Resistor, 1W, 5%	2512	STD	STD
1	R8	20k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R9, R100	499	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	56P3362	Transformer, Gate Drive	0.453 x 0.492 inch	56P3362	Vitec Electronics
1	T2	128 uH	Transformer, ±10%	1.700 x 2.100 inch	PA3321NL	Pulse
1	TP1		TEST POINT PC MULTI PURPOSE RED	0.125 x 0.125 inch	5010	Keystone
1	TP2		TEST POINT PC MULTI PURPOSE BLK	0.125 x 0.125 inch	5011	Keystone
3	TP3, TP5, TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP4, TP7	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
2	U1, U4	UCC24610D	IC, SYNCHRONOUS RECTIFIER CONTROLLER	SO-8	UCC24610D	TI
1	U2	TPS71550DCK	IC, High Input Voltage, Micropower LDO, 5V	SOP-5 (DCK)	TPS71550DCKR	TI
1	U3	UCC25600D	IC, Resonant Mode Controller	SO-8	UCC25600D	TI
1	U5	TL331DBV	IC, COMPARATOR, DIFFERENTIAL, SINGLE	SOT_23_5 (DBV)	TL331DBV	TI
1	U6	H11A817A	IC, Optocoupler, 5300-V, 80-160% CTR	0.380 x 0.180 inch	H11A817A	Fairchild
1	U7	TL431AIDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZ	TI

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