

PMP2967_REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr	AREA
1	C1	100uF	Capacitor, Aluminum, 100-µF, 63-V, 20%	0.457 x 0.406	EEVFK1J101P	Panasonic	
1	C10	.033uF	Capacitor, Ceramic, 0.033uF, 50-V, X7R, 15%	0603	Std	Std	
	C102, C103, C104,						
4	C105	10uF	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	1206	ECJ-3YB1E106M	Panasonic	
	C106, C107, C108,						
4	C109	0.1uF	Capacitor, Ceramic, 0.1-uF, 16-V, X7R	0603	ECJ-1VB1C104K	Panasonic	
4	C11, C12, C13, C15	47uF	Capacitor, Ceramic, 47-uF, 10-V, X5R, 15%	1210	ECJ4YB1A476M	Panasonic	
2	C110, C111	0.01uF	Capacitor, Ceramic, 25V, X7R, 20%	0603	std	std	
1	C16	2200pF	Capacitor, Ceramic, 2200-pF, 50-V, X7R, 15%	0603	Std	Std	
1	C17	0.1uF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	Std	
1	C18	1uF	Capacitor, Ceramic, 1-uF, 16-V, X7R, 15%	0603	Std	Std	
1	C19	OPEN	Capacitor, Ceramic, open	0603	Std	Std	
2	C2, C14	1000pF	Capacitor, Ceramic, 250V, X7R, 15%	0603	Std	TDK	
1	C20	0.047uF	Capacitor, Ceramic, 0.047-uF, 25-V, X7R, 15%	0603	Std	Std	
1	C21	.1uF	Capacitor, Ceramic, .1uF, 16V, X7R, 10%	0805	Std	Std	
1	C22	470pF	Capacitor, Ceramic, 470pF, 50-V, X7R, 15%	0603	Std	Std	
1	C23	0.022uF	Capacitor, Ceramic, 0.022-uF, 50-V, X7R, 15%	0603	Std	Std	
2	C25, C28	0.1uF	Capacitor, Ceramic, 250V, X7R, 15%	1206	Std	TDK	
1	C27	1uF	Capacitor, Ceramic, 250V, X7R, 15%	2220	Std	TDK	
2	C3, C6	1000uF	Capacitor, Aluminum Electrolytic, 50V	0.571 inch	50ZL1000	Rubycon	
2	C4, C5	3.3uF	Capacitor, Ceramic, 3.3uF, 50-V, X7R, 15%	1210	C3225X7R1H335K	TDK	
1	C7	100pF	Capacitor, Ceramic, 100pF, 50V, NPO, 10%	0603	Std	Std	
1	C8	.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0805	Std	Std	
3	C9, C24, C26	0.47uF	Capacitor, Ceramic, 250V, X7R, 15%	1812	Std	TDK	
1	D1	BAS16	Diode, Switching, 150-mA, 75-V, 350mW	SOT23	BAS16	Vishay-Liteon	
2	D101, D102	Green	Diode, LED, Green, 2.1-V, 20-mA, 6-mcd	0603	160-1183-1-ND	Liteon	
1	D103	Red	Diode, LED, Red, 1.8-V, 20-mA, 20-mcd	0603	160-1181-1-ND	Liteon	
1	D11	MBRD1035	Diode, Schottky, 10-A, 35-V	DPAK	MBRD1035	On Semi	
1	D2	SMCJ100CA	Diode, Transient Voltage Suppressor, 600W, 100V	D0-214AA	SMCJ100CA	Diodes	
1	D3	12V	Diode, Zener, 12-V, 350-mW	SOT-23	BZX84C12VT	Diodes	
3	D4, D7, D10	MMBD1401	Diode, 200-V, 200-mA, 300-mW	SOT23	MMBD1401	Fairchild	
3	D5, D6, D9	18V	Diode, Zener, 18-V, 350-mW	SOT-23	BZX84C18VT	Diodes	
1	D8	39V	Diode, Zener, 39-V, 350-mW	SOT-23	BZX84C39VT	Diodes	
1	F1	10A, 125V	SMF, Very Fast Acting Type Fuse, Nano Series	0.106 x 0.240 ir	0451010.MR	Little Fuse	
1	FB1	25F03032T010	Jumper used for initial Dallas testing	0.530 x 0.428 ir	25F03032T010	Steward	
1	J1	D120/3DS	D120/3DS	Terminal Block, OST		0.60 x 0.35 inch	
1	J102	D120/4DS	D120/4DS	Terminal Block, OST		0.80 x 0.35 inch	
2	J2, J3		ED1609	Terminal Block, OST		0.40 x 0.35""	

1	J4	PTC36SAAN	Header, 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PTC36SAAN	Sullins
1	L1	10uHy	Inductor, SMT, 10A, 17milliohm	0.51 x 0.51 inch	IHLP5050FDER10C	Vishay
1	L101	10uH	Inductor, SMT, 10-uH, 1.84-A, 49-milliohm	0.315 x 0.287	CDRH74-100	Sumida
1	L2	10uH	Inductor, SMT, 4.5A, 26-milliohm	0.485 sq inch	CDRH124-100MC	Sumida
2	Q1, Q6	IRF5210S	IRF5210S		MOSFET, P-ch, IR	D2-Pak
2	Q2, Q4	IRFR2405	IRFR2405		MOSFET, N-ch IR	DPAK
2	Q3, Q5	Si7848BDP	Si7848BDP		MOSFET, NCh: VISHAY-SILICONI	PWRPAK S0-8
1	Q7	TN2124K1	TN2124K1		MOSFET, N-ch Supertex	SOT23
1	Q8	MMBT6520	MMBT6520		Transistor, PNF On Semi	SOT23
1	Q9	Si4463BDY	Si4463BDY		MOSFET, P-Ch Vishay	SOP-8
1	R1	140k	Std		Resistor, Chip, Std	603
1	R10	348K	Std		Resistor, Chip, Std	603
1	R101	1.5k	CRCW0603-4991-F		Resistor, Chip, Vishay	603
1	R102	1.5k			CRCW0603-1501-F	
1	R103	1.5k	std		Resistor, Chip, std	603
1	R104	0.1, 0.5W	std		Resistor, Chip, Vishay	2010
1	R105	20k	CRCW0603-4991-F		Resistor, Chip, Vishay	603
1	R106	0	CRCW0603-00R0-F		Resistor, Chip, Vishay	603
2	R108, R109	7.5k	CRCW0603-7501-F		Resistor, Chip, Vishay	603
1	R11	OPEN	Std		Resistor, Chip, Std	1206
1	R110	4.99k	CRCW0603-4991-F		Resistor, Chip, Vishay	603
1	R111	10k	CRCW0603-1002-F		Resistor, Chip, Vishay	603
	R112, R113, R115,					
4	R116	20k	CRCW0603-xxxx-F		Resistor, Chip, Vishay	603
1	R114	1k	Resistor, Chip, 1/16-W, 1%		0603 Std	Std
1	R12	10K	Std		Resistor, Chip, Std	603
2	R13, R14	49.9	Std		Resistor, Chip, Std	603
1	R15	649K	Std		Resistor, Chip, Std	603
1	R16	100K	Std		Resistor, Chip, Std	805
3	R17, R21, R22	10	Std		Resistor, Chip, Std	805
1	R18	200K	Std		Resistor, Chip, Std	603
2	R19, R20	33.2K	Std		Resistor, Chip, Std	603
1	R2	15K	Std		Resistor, Chip, Std	603
1	R23	7.5K	Std		Resistor, Chip, Std	805
1	R24	200K	Std		Resistor, Chip, Std	805
1	R25	40.2K	Std		Resistor, Chip, Std	603
2	R3, R4	47.5K	Std		Resistor, Chip, Std	805
1	R5	4.7	Std		Resistor, Chip, Std	805
1	R6	0	Std		Resistor, Chip, Std	805
1	R7	976	Std		Resistor, Chip, Std	603
1	R8	1K	Resistor, Chip, 1K Ohms, 1/16-W, 5%		0603 Std	Std
1	R9	1.82k	Std		Resistor, Chip, Std	603
	TP101, TP103, TP104, TP105,					
6	TP106, TP107		Void		Test Point, O.O: None	

10	TP2, TP4, TP102, TP109, TP111, TP1, TP5, TP6, TP9, TP10	5000	5000	Test Point, Rec Keystone	0.100 x 0.100 inch
6	TP3, TP11, TP108, TP110, TP7, TP8	5001	5001	Test Point, Blar Keystone	0.100 x 0.100 inch
1	U1	TLC272AD	TLC272xD	IC, Dual Op Am TI	SO8
1	U100	TPS40054PWP	TPS40054PWP	IC, Wide Input & Texas Instruments	PWP16
1	U2	bq24120	IC, Advanced Li -Ion and Li-Pol Charge Management	RHL-20	bq24120RHL TI

- Notes:
1. These assemblies are ESD sensitive, ESD precautions shall be observed.
 2. These assemblies must be clean and free from flux and all contaminants.
Use of no clean flux is not acceptable.
 3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.
 4. Ref designators marked with an asterisk (***) cannot be substituted.
All other components can be substituted with equivalent MFG's components.

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