







PMP4964_REVC BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
			Capacitor, Aluminum, 25V, ±20%,			
1	C1	470uF	850mA	0.406 x 0.457"	EEE-FK1E471AP	Panasonic
	C101, C201, C303,					
	C601, C651, C701,					
7	C901	22uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	Std	Std
	C102, C202, C702,					
4	C902	8200pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
	C103, C203, C703,					
4	C903	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
	C104, C204, C704,					
4	C904	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
	C105, C205, C705,					
4	C905	47uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1210	Std	Std
			Capacitor, Ceramic, Low Inductance,			
1	C301	3300pF	50V, X7R, 10%	0603	std	std
	0000		Capacitor, Ceramic, Low Inductance,			
1	C302	1uF	16V, X7R, 20%	0603	std	std
	0004	0.4 5	Capacitor, Ceramic, Low Inductance,			
—	C304	0.1uF	25V, X7R, 20%	0603	std	std
1	C305	47uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1210	Std	std
2	C401, C501	0.056uF	Capacitor, SMD, 0603, X7R, 50V, 15%	0603	std	std
	C402, C502	0.036uF	Capacitor, Ceramic, 25V, X7R, 10%	0603	GRM39X7R104K25	muRata
	0402, 0302	0.1 ui	Capacitor, Ceramic, 25V, X/TX, 1070	0003	GRW39X717104R23	IIIui\ata
	C403, C410, C411,					
	C412, C413, C503,					
	C510, C511, C512,					
10	C513	22 uF	Capacitor, Ceramic, 6.3V, X5R, 20 %	1210	std	TDK
	C404, C504	10 uF	Capacitor, Ceramic, 6.3V, X5R, 20 %	1210	std	TDK
	C405, C505	10 uF	Capacitor, Ceramic, 6.3V, X5R, 20 %	1210	std	TDK
2	C406, C506	220 pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	std	TDK
2	C407, C507	0.01uF	Capacitor, Ceramic, 50-V, X7R, 10%	0603	std	std
2	C408, C508	0.047 uF	Capacitor, Ceramic, 50-V, X7R, 10%	0603	std	TDK
2	C409, C509	3300 pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	std	TDK

2	C602, C652	0.01uF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	Std
2	C603, C653	0.1uF	Capacitor, Ceramic, 25V, X7R, 15%	0603	std	std
2	C604, C654	1500pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	Std
2	C605, C655	6.8pF	Capacitor, Ceramic, 50V, NPO, 10%	0603	Std	Std
	C606, C607, C656,					
4	C657	22uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1210	Std	Std
2	D601, D651	B230	Diode, Schottky, 30V, 2A	SMB	B230-13-F	Diodes, Inc
2	J1, J301		Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35"	ED1609	OST
	J101, J201, J702,					
4	J901	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25""	ED555/2DS	OST
2	J401, J501		Terminal Block, 2 pin, 6A, 3.5mm	0.27 x 0.25	ED1514	OST
2	J601, J651	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25""	ED1514	OST
	L101, L201, L701,					
4	L901	3.3uH	Inductor, SMT, 7.8A, 10.4milliohm	0.402 sq inch	CDRH105RNP-3R3NC	Sumida
1	L301	1.5uH	Inductor, SMT, 11A, 10.67 milliohm	0.256 x 0.280"	SPM6530T-1R5M100	TDK
2	L401, L501	4.7 uH	Inductor, SMT, 5.5A, 40milliohm	0.255 x 0.270"	IHLP2525CZ-01	Vishay
2	L601, L651	10uH	Inductor, SMT, 3A, 35milliohm	0.405 sq inch	CDRH104R-100	Sumida
	R101, R201, R701,					
4	R901	147k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R102, R202, R702,					
4	R902	20k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R103, R203, R703,					
4	R903	100K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R104, R204, R704,					
4	R904	1.69K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R105	374	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R106	76.8k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R107, R207, R708	14.7k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R205, R405, R505,					
4	R705	340	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R206, R706, R906	30.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R301	165	Resistor, Chip, 1/16W, 1%	0603	std	std
2	R302, R606	12.4k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R303	22.1k	Resistor, Chip, 1/16W, 1%	0603	std	std
2	R401, R501	68.1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R402, R502	3.48k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R403, R503	28.7k	Resistor, Chip, 1/16W, 1%	0603	Std	Std

2 R404, R504 10k Resistor, Chip, 1/16W, 1% 0603 Std Std 2 R406, R506 0 Resistor, Chip, 1/16W, 1% 0603 Std Std 2 R601, R651 332k Resistor, Chip, 1/16W, 1% 0603 Std Std 2 R602, R652 56.2k Resistor, Chip, 1/16W, 1% 0603 Std Std 2 R603, R653 143k Resistor, Chip, 1/16W, 1% 0603 Std Std 2 R604, R654 48.7k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R605 100 Resistor, Chip, 1/16W, 5% 0603 Std Std 2 R607, R657 10.0k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R655 51 Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R656 31.6k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R905 453 Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R907 10.0K
2 R601, R651 332k Resistor, Chip, 1/16W, 1% 0603 Std Std 2 R602, R652 56.2k Resistor, Chip, 1/16W, 1% 0603 Std Std 2 R603, R653 143k Resistor, Chip, 1/16W, 1% 0603 Std Std 2 R604, R654 48.7k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R605 100 Resistor, Chip, 1/16W, 5% 0603 Std Std 2 R607, R657 10.0k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R655 51 Resistor, Chip, 1/16W, 5% 0603 Std Std 1 R656 31.6k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R905 453 Resistor, Chip, 1/16W, 1% 0603 Std Std 7P101, TP104, TP104, TP106, TP204, TP204, TP204, TP206, TP201, TP204, TP204, TP206, TP201, TP204, TP206, TP201, TP206, TP201, TP206, TP201, TP206, TP201, TP206, TP201, TP206
2 R602, R652 56.2k Resistor, Chip, 1/16W, 1% 0603 Std Std 2 R603, R653 143k Resistor, Chip, 1/16W, 1% 0603 Std Std 2 R604, R654 48.7k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R605 100 Resistor, Chip, 1/16W, 5% 0603 Std Std 2 R607, R657 10.0k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R655 51 Resistor, Chip, 1/16W, 5% 0603 Std Std 1 R656 31.6k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R905 453 Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R907 10.0K Resistor, Chip, 1/16W, 1% 0603 Std Std 1 TP101, TP104, TP204, TP204, TP204, TP204, TP204, TP206, TP201, TP204, TP206, TP201, TP204, TP206, TP201, TP206, TP201, TP206, TP206, TP201, TP206, TP206, TP201, TP206, TP206, T
2 R603, R653 143k Resistor, Chip, 1/16W, 1% 0603 Std Std 2 R604, R654 48.7k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R605 100 Resistor, Chip, 1/16W, 5% 0603 Std Std 2 R607, R657 10.0k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R655 51 Resistor, Chip, 1/16W, 5% 0603 Std Std 1 R656 31.6k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R905 453 Resistor, Chip, 1/16W, 1% 0603 Std Std R907 10.0K Resistor, Chip, 1/16W, 1% 0603 Std Std TP101, TP104, TP104, TP204, TP204, TP204, TP205, TP206, TP201, TP204, TP204, TP204, TP205, TP206, TP205, TP206, TP207, TP206, TP206, TP207, TP206, TP206, TP206, TP206, TP207, TP206, TP206, TP208, T
2 R604, R654 48.7k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R605 100 Resistor, Chip, 1/16W, 5% 0603 Std Std 2 R607, R657 10.0k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R655 51 Resistor, Chip, 1/16W, 5% 0603 Std Std 1 R656 31.6k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R905 453 Resistor, Chip, 1/16W, 1% 0603 Std Std R907 10.0K Resistor, Chip, 1/16W, 1% 0603 Std Std TP101, TP104, TP104, TP204, TP201, TP204, TP205, TP206, TP201, TP204, TP206, TP201, TP204, TP206, TP201, TP204, TP206,
1 R605 100 Resistor, Chip, 1/16W, 5% 0603 Std Std 2 R607, R657 10.0k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R655 51 Resistor, Chip, 1/16W, 5% 0603 Std Std 1 R656 31.6k Resistor, Chip, 1/16W, 1% 0603 Std Std 1 R905 453 Resistor, Chip, 1/16W, 1% 0603 Std Std R907 10.0K Resistor, Chip, 1/16W, 1% 0603 Std Std TP101, TP104, TP104, TP105, TP106, TP204, TP204, TP204, TP205, TP206, TP205, TP206, TP207, TP206, TP207, TP206,
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R907 10.0K Resistor, Chip, 1/16W, 1% 0603 Std Std TP101, TP104, TP105, TP106, TP201, TP204, TP205, TP206,
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TP105, TP106, TP201, TP204, TP205, TP206,
TP201, TP204, TP205, TP206,
TP205, TP206,
TP301, TP304,
TP305, TP401,
TP403, TP404,
TP405, TP501,
TP503, TP504,
TP505, TP601,
TP602, TP603,
TP606, TP607,
TP651, TP652,
TP653, TP656,
TP657, TP701,
TP704, TP705,
TP706, TP901,
TP904, TP905,
37 TP906 5000 Test Point, Red, Thru Hole Color Keyed 0.100 x 0.100" 5000 Keystone

	TP102, TP103,					
	TP107, TP202,					
	TP203, TP207,					
	TP302, TP306,					
	TP402, TP406,					
	TP502, TP506,					
	TP608, TP658,					
	TP702, TP703,					
	TP707, TP902,		Test Point, Black, Thru Hole Color			
20	TP903, TP907	5001	Keyed	0.100 x 0.100"	5001	Keystone
	TP303, TP604,					
3	TP654	5015	Test Point, SMT	0.105 x 0.040"	5015	Keystone
2	U101, U201	TPS54620RGY	IC, 1.6V-17V, QFN14	3.5mm x 3.3mm	TPS54620RGY	TI
1	U301	TPS54325PWP	IC, 3-A	HTSSOP-14	TPS54325PWP	TI
2	U401, U501	TPS54317RHF	IC, IFET Power Controller, AdjV, 3A	QFN-24	TPS54317RHF	TI
2	U601, U651	TPS54140DGQ	IC, DC-DC Converter, 3.3V, 1.5A	MSOP-10	TPS54160DGQ	TI
			1.6V-17V Synchronous Buck PWM			
			Converter with Integrated MOSFET,			
2	U701, U901	TPS54620RGY	QFN14	3.5mm x 3.3mm	TPS54620RGY	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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