

Filename: PMP4745REVC_bom.xls

Date: 06/09/2010

PMP4745REVC BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	2200pF	Capacitor, Ceramic, 2kV, X7R, 10%	1812	C4532X7R3D222K	TDK
1	C2	47uF	Capacitor, Aluminum Electrolytic, 63V, 20%	0.328 x 0.390 inch	EEEFK1J470P	Panasonic
1	C3	2.2uF	Capacitor, Ceramic, 100V, X7R, 10%	1210	Std	Std
1	C4	100nF	Capacitor, Ceramic, 100V, X7R, 10%	0805	C2012X7R2A104K	TDK
5	C5	22uF	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std
6	C6	open	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std
1	C7	100uF	Capacitor, Aluminum, 25V, 280mA rms, 340mOhm, 20%	0.260 x 0.276 inch	EEEFKE101XAP	Panasonic
2	C8	4.7uF	Capacitor, Ceramic, 25V, X5R, 10%	0805	Std	Std
5	C9	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C10	100nF	Capacitor, Ceramic, 100V, X7R, 10%	0805	Std	Std
1	C11	470pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
1	C12	220nF	Capacitor, Ceramic, 16V, X7R, 10%	0805	Std	Std
	C13	22uF	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std
1	C14	330pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C15	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
2	C16	470nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
	C17	470nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
1	C18	22nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C19	15nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
2	C20	10nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
2	C21	1000pF	Capacitor, Ceramic, 100V, X7R, 10%	0603	Std	Std
1	C22	4.7uF	Capacitor, Ceramic, 16V, X7R, 10%	0805	Std	Std
	C23	1000pF	Capacitor, Ceramic, 100V, X7R, 10%	0603	Std	Std
4	C24	10nF	Capacitor, Ceramic, 100V, X7R, 10%	0603	Std	Std
	C25	10nF	Capacitor, Ceramic, 100V, X7R, 10%	0603	Std	Std
	C26	10nF	Capacitor, Ceramic, 100V, X7R, 10%	0603	Std	Std
	C27	10nF	Capacitor, Ceramic, 100V, X7R, 10%	0603	Std	Std
1	C28	1nF	Capacitor, Ceramic, 100V, X7R, 10%	0603	Std	Std
1	C29	100nF	Capacitor, Ceramic, 100V, X7R, 10%	0603	GRM188R72A104KA35D	Murata
1	C30	1000pF	Capacitor, Ceramic, 2kV, X7R, 10%	1210	Std	Std
	C31	22uF	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std
	C32	open	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std

	C33	4.7uF	Capacitor, Ceramic, 25V, X5R, 10%	0805	Std	Std
	C34	22uF	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std
	C35	open	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std
5	C36	1uF	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std
	C37	22uF	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std
	C38	open	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std
	C39	10nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
	C40	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
	C41	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
	C42	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C43	10nF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
5	C44	open	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std
	C45	open	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std
	C46	open	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std
1	C47	470nF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
	C48	1uF	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std
4	C49	100nF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
2	C50	2.2uF	Capacitor, Ceramic, 25V, X5R, 20%	1206	GRM316R61E225KA12	muRata
	C51	open	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std
	C52	2.2uF	Capacitor, Ceramic, 25V, X5R, 20%	1206	GRM316R61E225KA12	muRata
	C53	open	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std
6	C54	open	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
	C55	1uF	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std
	C56	1uF	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std
	C57	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
	C58	100nF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
	C59	open	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
	C60	1uF	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std
	C61	open	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std
5	C62	100pF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
	C63	open	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std
	C64	100nF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
1	C65	open	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std
1	C66	22uF	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std
1	C67	22uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0805	Std	Std
1	C68	open	Capacitor, Ceramic, 6.3V, X5R, 20%	0805	Std	Std
1	C69	15pF	Capacitor, Ceramic, 25V, C0G, 5%	0603	Std	Std
1	C70	1uF	Capacitor, Ceramic, 16V, X5R, 20%	0603	Std	Std

5	C71	4.7uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0603	Std	Std
1	C72	22uF	Capacitor, Aluminium, 6.3V, 90mA rms, 1.35Ohm, 20%	Code B	EEEFK0J220R	Panasonic
	C73	100nF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
	C74	4.7uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0603	Std	Std
	C75	4.7uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0603	Std	Std
	C76	open	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
	C77	open	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
	C78	open	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
	C79	open	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
	C80	100pF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
	C81	4.7uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0603	Std	Std
	C82	4.7uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0603	Std	Std
	C83	100pF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
	C84	100pF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
2	C85	10uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0603	Std	Std
	C86	10uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0603	Std	Std
	C87	100pF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
1	C88	22pF	Capacitor, Ceramic, 25V, C0G, 5%	0603	Std	Std
2	D1	RMB2S	Bridge Rectifier, 200V, 0.5A	MINI DIP4	RMB2S	Vishay
1	D2	MURA120	Diode, Rectifier, 1A, 200V	SMA	MURA120T3G	OnSemi
1	D3	SMAJ58A	Diode, TVS, 58-V, 1W	SMA	SMAJ58A	Diodes Inc.
2	D4	BAS16-V	Diode, Switching, 75V, 200mA, 225mW	SOT-23	BAS16-V	Vishay
1	D5	BAV99	Diode, Dual Ultra Fast, Series, 70V, 200mA	SOT23	BAV99	Fairchild
	D6	RMB2S	Bridge Rectifier, 200V, 0.5A	MINI DIP4	RMB2S	Vishay
1	D7	MBR0530	Diode, Schottky, 30V, 0.5A	SOD-123	MBR0530T3	On Semi
1	D8	BAT54S-V	Diode, Dual Schottky, 30V, 200mA	SOT23	BAT54S-V	Vishay
1	D9	MBRS3100T3	Diode, 100V, 3A	SMC	MBRS3100T3	OnSemi
1	D10	5.1V	Diode, Zener, 5.1V, 225mW, 5%	SOT23	BZX84C11L	OnSemi
1	D11	MBRS130T3	Diode, Schottky, 1A, 30V	SMB	MBRS130T3	OnSemi
	D12	BAS16-V	Diode, Switching, 75V, 200mA, 225mW	SOT-23	BAS16-V	Vishay
6	FB1	500	Bead, Ferrite, 3000mA, 40mOhm	1206	MH3261-501Y	Bourns
	FB2	500	Bead, Ferrite, 3000mA, 40mOhm	1206	MH3261-501Y	Bourns
	FB3	500	Bead, Ferrite, 3000mA, 40mOhm	1206	MH3261-501Y	Bourns
	FB4	500	Bead, Ferrite, 3000mA, 40mOhm	1206	MH3261-501Y	Bourns
	FB5	500	Bead, Ferrite, 3000mA, 40mOhm	1206	MH3261-501Y	Bourns
	FB6	500	Bead, Ferrite, 3000mA, 40mOhm	1206	MH3261-501Y	Bourns
2	J1	556416	Connector, Jack, Modular, 8 POS	0.655 x 0.615 inch	556416	AMP
	J2	556416	Connector, Jack, Modular, 8 POS	0.655 x 0.615 inch	556416	AMP

8	J3	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED555/2DS	OST
	J4	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED555/2DS	OST
	J5	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED555/2DS	OST
4	J6	PEC03SAAN	Header, Male 3-pin, 100mil spacing,	0.100 inch x 3	PEC03SAAN	Sullins
	J7	PEC03SAAN	Header, Male 3-pin, 100mil spacing,	0.100 inch x 3	PEC03SAAN	Sullins
	J8	PEC03SAAN	Header, Male 3-pin, 100mil spacing,	0.100 inch x 3	PEC03SAAN	Sullins
2	J9	PEC05SAAN	Header, Male 5-pin, 100mil spacing,	0.100 inch x 5	PEC05SAAN	Sullins
	J10	PEC03SAAN	Header, Male 3-pin, 100mil spacing,	0.100 inch x 3	PEC03SAAN	Sullins
3	J11	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	PEC02SAAN	Sullins
	J12	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	PEC02SAAN	Sullins
	J13	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED555/2DS	OST
	J14	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	PEC02SAAN	Sullins
	J15	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED555/2DS	OST
	J16	PEC05SAAN	Header, Male 5-pin, 100mil spacing,	0.100 inch x 5	PEC05SAAN	Sullins
	J17	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED555/2DS	OST
	J18	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED555/2DS	OST
	J19	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED555/2DS	OST
1	L1	10uH	Inductor, Power, 68mOhm, 1.8A rms @ 40k, 2.2A sat @ 10%	7.30 x 8.00 mm	74477810	Würth Elektronik
1	L2	1uH	Inductor, Power, 39mOhm, 3.5A rms @ 40k, 4.5A sat @ 10%	0.260 x 0.260 inch	7447785001	Würth Elektronik
1	L3	68uH	Inductor, Power, 520mOhm, 0.74A at 40k, 0.84A at 10%	7.30 x 8.00 mm	744778168	WE
1	L4	10uH	Inductor, Power, 150mOhm, 1.0A at 40k, 1.30A at 10%	0.190 x 0.190 inch	744042100	Würth Elektronik
1	L5	6.8uH	Inductor, Power, 90mOhm, 0.40A at 40k, 0.43A at 10%	3.3 x 3.3 mm	744030006	Würth Elektronik
1	L6	10uH	Inductor, Power, 760mOhm, 0.28A at 40k, 0.35A at 10%	3.3 x 3.3 mm	744030100	Würth Elektronik
1	L7	2.2uH	Inductor, Power, 170mOhm, 0.74A at 40k, 0.80A at 10%	3.3 x 3.3 mm	744030002	Würth Elektronik
1	Q1	Si4850EY	MOSFET, N-ch, 60V, 7.2A, 31milliohm	SO-8	Si4850EY	Vishay
1	Q2	Si4848DY	MOSFET, N-ch, 150V, 3.7A, 85milliohm	SO-8	Si4848DY	Vishay
1	Q3	MMBT3906	Bipolar, PNP, 40V, 200mA, 225W	SOT23	MMBT3906LT1	On Semi
3	Q4	Si4435DDY	MOSFET, P-ch, 30V, 8.0A, 20mOhm	SO8	Si4435DDY	Vishay
	Q5	Si4435DDY	MOSFET, P-ch, 30V, 8.0A, 20mOhm	SO8	Si4435DDY	Vishay
	Q6	Si4435DDY	MOSFET, P-ch, 30V, 8.0A, 20mOhm	SO8	Si4435DDY	Vishay
1	Q7	Si4936CDY	MOSFET, Dual N Chan, 30V, 50mOhm, 4.2nC	SO-8	Si4936CDY	Vishay
1	Q8	2N7002	MOSFET, N-ch, 60V, 115mA, 1.2 Ohm	SOT23	2N7002	Diodes
1	R1	24.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	39k	Resistor, Chip, 1/10W, 1%	0805	Std	Std
3	R3	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	86.6k	Resistor, Chip, 1/16W, 1%	0603	Std	Std

1	R5	69.8k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R6	24	Resistor, Chip, 1/4W, 1%	1206	Std	Std
2	R7	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	100	Resistor, Chip, 1/16W, 5%	0603	Std	Std
1	R9	90.9	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R10	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	4.7	Resistor, Chip, 1/16W, 5%	0603	Std	Std
1	R12	4.99k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R13	499	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	0.33	Resistor, Chip, 1/4W, 1%	1206	Std	Std
	R15	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R16	499	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R17	2.00k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R19	2.00k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R20	7.50k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R21	4.02k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R22	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R23	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R24	2.61k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R25	13.3k	Resistor, Chip, 1/16W, 1%	0603	Std	std
4	R26	75	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R27	75	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R28	75	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R29	75	Resistor, Chip, 1/16W, 1%	0603	Std	std
1	R30	3.01k	Resistor, Chip, 1/16W, 1%	0603	Std	std
2	R31	0.01	Resistor, Chip, 1/2W, 1%	2010	WSL2010R0100FEA	Dale
19	R32	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
1	R33	383k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R34	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
1	R35	316k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R36	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R37	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
1	R38	11.0k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R39	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
4	R40	0	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R41	0.01	Resistor, Chip, 1/2W, 1%	2010	WSL2010R0100FEA	Dale
	R42	0	Resistor, Chip, 1/16W, 1%	0603	Std	std

1	R43	158k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R44	0	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R45	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R46	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R47	0	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R48	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
1	R49	5.23k	Resistor, Chip, 1/16W, 1%	0603	Std	std
1	R50	10	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R51	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
4	R52	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	std
1	R55	332k	Resistor, Chip, 1/16W, 1%	0603	Std	std
2	R57	180k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R58	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R59	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R60	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	std
1	R61	634k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R62	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R63	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	std
1	R64	523k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R65	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
1	R66	301k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R67	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R68	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	std
1	R69	150k	Resistor, Chip, 1/16W, 1%	0603	Std	std
1	R70	169k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R71	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R72	180k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R73	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R74	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R75	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R76	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
	R77	100k	Resistor, Chip, 1/16W, 1%	0603	Std	std
1	T1	POE13P-12L	Transformer, Flyback For PoE, 13W, 12V, 1.08A, 127uH	0.700 x 0.530 inch	POE13P-12L	Coilcraft
1	T2	PA0184	XFMR, SMT Gate Drive	0.355 X 0.340 inch	PA0184NLT	Pulse
1	T3	H6062	XFMR, 1000 Base-T PoE, Ratio 1:1	S024	H6062NL	Pulse
35	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
12	TP2	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone

	TP42	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP43	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP44	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP45	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP46	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP47	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	U1	TPS23757PW	IC, C, IEEE 802.3-2005 PoE Interface and Isolated Converter Controller	PW 20	TPS23757PW	TI
1	U2	TCMT1107	IC, Photocoupler, 3750VRMS, 80-160% CTR	MF4	TCMT1107	Vishay
1	U3	TL431ACDBVR	IC, Precision Adjustable Shunt Regulator, 2.495V	SOT23-5	TL431DBVR	TI
1	U4	BQ24753ARHD	IC, Host-Controlled Li-Ion and Li-Polymer Battery Charger	QFN-28	BQ24753ARHD	TI
1	U5	TPS62110	IC, Synchronous Step-Down Converter, 17V, 1.5A	QFN-16	TPS62110RGV	TI
1	U6	TPS76928DBV	IC, Ultralow-Power 100 mA LDO Regulator, 2.8V	SOT23-5	TPS76928DBV	TI
1	U7	TPS386000	IC, Quad Supply Voltage Supervisors with Programmable Delay and Watchdog Timer	QFN-20	TPS386000RGP	TI
1	U8	TPS62231DRY	IC, 3MHz Ultra Small Step Down Converter, 1.8V	QFN	TPS62231DRY	TI
1	U9	TPS62232DRY	IC, 3MHz Ultra Small Step Down Converter, 1.2V	QFN	TPS62232DRY	TI
1	U10	TPS62290DRV	IC, 2.25MHz Step Down Converter, 1A	SON-6	TPS62290DRV	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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