

PMP2702REVB BOM						
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
3	C16	22uF	Capacitor, Ceramic, 16V, X5R	1210	C1210C226K4PACTU	KEMET
	C17	22uF	Capacitor, Ceramic, 16V, X5R	1210	C1210C226K4PACTU	KEMET
	C18	22uF	Capacitor, Ceramic, 16V, X5R	1210	C1210C226K4PACTU	KEMET
2	C19	1000uF	Capacitor, POSCAP, 2.5V, 5milliohm, 20%	D4D	2R5TPD1000M5	Sanyo
1	C20	100uF	Capacitor, Ceramic, 6.3V, X5R	1210	C1210C107M9PACTU	KEMET
3	C21	1uF	Capacitor, Ceramic, 16V, X5R, 10%	0603	GRM185R61C105KE44	muRata
1	C22	470nF	Capacitor, Ceramic, 10V, X5R, 10%	0402	GRM155R61A474KE15	Murata
1	C23	3.3nF	Capacitor, Ceramic, 50V, X7R, 10%	0402	Std	Std
	C24	1uF	Capacitor, Ceramic, 16V, X5R, 10%	0603	GRM185R61C105KE44	muRata
	C25	1uF	Capacitor, Ceramic, 16V, X5R, 10%	0603	GRM185R61C105KE44	muRata
1	C26	4.7uF	Capacitor, Ceramic, 6.3V, X5R	0603	Std	TDK
	C27	1000uF	Capacitor, POSCAP, 2.5V, 5milliohm, 20%	D4D	2R5TPD1000M5	Sanyo
1	C28	10uF	Capacitor, Ceramic, 6.3V, X5R	0603	Std	TDK
1	C29	22pF	Capacitor, Ceramic, 50V, COG, 50V	0402	Std	Std
1	C30	5.6nF	Capacitor, Ceramic, 50V, X7R, 10%	0402	Std	Std
1	C32	4.7nF	Capacitor, Ceramic	0603	Std	Std
2	J3	ED555/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
	J4	ED555/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
1	L2	1.2uH	Inductor, SMT, 11.7A, 2.24milliohm	12.5mm x 12.5mm	ETQP6F1R2HFA	Panasonic
1	Q4	FMDS9600S	Transistor, Dual NFET, 30V, Q1,32A/Q2,30A	Power-56	FMDS9600S	Fairchild
1	R8	10k	Resistor, Chip, 1/16W, 5%	0603	Std	Std
1	R9	1	Resistor, Chip, 1/16W, 5%	0603	Std	Std
1	R10	35.7k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R11	OPEN	Resistor, Chip, 1/16W, x%	0402	Std	Std
1	R12	750	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R13	10k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R14	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	0.68	Resistor, 0.5W	1210	Std	Std
1	TP17	VIN	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP18	VID3	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP19	VID2	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP20	VID1	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP21	GND	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP22	VID0	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP27	VOUT	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP29	GND	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP34	SW	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	U2	TPS40197RGY	IC, 4.5V to 20V Sync Buck Controller with 4-bit VID Interface & pwr-good	QFN-16	TPS40197RGY	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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