

PMP6685REVB_BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	470u	Capacitor, OSCON, 6V3, 5milliohm, 20%	10.3mm (F12)	T530X477M006AT	KEMET
1	C13	0.1u	Capacitor, Ceramic X7R 6V3, 20%	0603	Std	Std
1	C14	4u7	Capacitor, Ceramic X7R 6V3, 20%	0603	Std	Std
1	C15	2u2	Capacitor, Ceramic X7R 6V3, 20%	0603	Std	Std
1	C25	2.2n	Capacitor, Ceramic X7R 6V3, 20%	0402	Std	Std
1	C30	0.047u	Capacitor, Ceramic X7R 10V, 20%	0402	Std	Std
1	C31	150p	Capacitor, Ceramic C0G 10V, 10%	0402	Std	Std
1	C32	4.7u	Capacitor, Ceramic X7R 10V, 20%	0805	Std	Std
1	C33	4.7n	Capacitor, Ceramic X7R 6V3, 20%	0402	Std	Std
1	C34	0.1u	Capacitor, Ceramic, X7R 6V3, 20%	0402	Std	Std
2	C12 C16	1u	Capacitor, Ceramic X7R 10V, 20%	0603	Std	Std
6	C17-22	47u	SURFACE MOUNT TANT. CAPACITOR 1V8	7343	std	std
2	C2-3	47u	SURFACE MOUNT TANT. CAPACITOR 6V3	7343	EEFCD0J470ER	Panasonic
2	C23 C39	0.1u	Capacitor, Ceramic X7R 10V, 20%	0402	Std	Std
2	C24 C38	0.47u	Capacitor, Ceramic X7R 10V, 20%	0603	Std	Std
4	C26-27 C35-36	10u	Capacitor, Ceramic, 10u, 6.3V, X5R, 1206	1206	GRM319R60J106KE19D	muRata
2	C28 C37	100u	Capacitor, Ceramic, 100u, 6.3V, X5R, 1210	1210	GRM32ER60J107ME20K	muRata
2	C29 C40	DNP	Capacitor, Ceramic X7R 10V, 20%	0603	std	muRata
2	C4-5	1u	Capacitor, Ceramic X7R 6V3, 20%	0603	Std	Std
6	C6-11	22u	Capacitor, Ceramic X7R 6V3, 20%	1210	std	muRata
1	J1	ED120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	ED120/2DS	OST
1	J2	ED120/4DS	Terminal Block, 4-pin, 15-A, 5.1mm	0.80 x 0.35 inch	ED120/4DS	OST
1	L1	10u	Inductor, SMT, 1.4A, 127milliohm	0.189 x 0.189 inch	LPS5030-103ML	Coilcraft
2	L2-3	0.3u	IND. Power, 300nH, 0.22mOhm, 32A	0.276 x 0.283 inch	SLC1175-301ME	Coilcraft
2	Q1-2	CSD86350Q5D	MOSFET, Dual N-Chan, TBD-V, TBD-A	QFN-8 POWER	CSD86350Q5D	TI
1	R1	0R	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R2	110k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R3	200K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R4	13k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R6	0	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R9	49R9	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R11	243	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R13	6.65K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R16	80k6	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R20	3.32k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
3	R15 R10 R21	10k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R19 R26	DNP	Resistor, Chip, 1/16W, 5%	0805	Std	Std
2	R23 R8	2.2	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R5 R17	10K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
7	R7 R12 R14 R18 R22 R24-25	DNP	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	TP1-2	5005	Test Point, Red, Thru Hole Compact Style	0.125 x 0.125 inch	5005	Keystone
1	U1	TPS61093DSK	IC, Low Input Boost Converter with Integrated Power Diode and Isolation	QFN	TPS61093DSK	TI
1	U2	TPS40322RHB	IC, Dual Synchronous Buck Controller	QFN-32	TPS40322RHB	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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