

Engineering Bill of Materials



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Project Name:	PMP10680
Project File:	PMP10680_LMR14050.PrjPcb
Base ID:	
PCB Rev:	PMP10680.PcbDoc_Rev1
Schematic Rev:	PMP10680.SchDoc_Rev1
Assembly Variant:	1
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Item	Designator	Description	RoHS	Manufacturer	PartNumber	Quantity	Library Name
1	C1, C2	CAP, CERM, 47uF, 16V, +/-20%, X5R, 1210	Y	MuRata	GRM32ER61C476ME15L	2	Capacitor_Ceramic.IntLib
2	C4	CAP, CERM, 0.1 礫, 16 V, +/- 10%, X7R, 0603	Y	MuRata	GRM188R71C104KA01D	1	Capacitor_Ceramic.IntLib
3	C5	CAP, CERM, DNP, 50 V, +/- 10%, X7R, 0603	Y	Kemet	C0603C471K5RACTU	1	Capacitor_Ceramic.IntLib
4	C6	CAP, TA, 150 礫, 16 V, +/- 20%, 0.05 ohm, SMD	Y	Panasonic	16TQC150MYF	1	Capacitor_Tantalum.IntLib
5	C7	CAP, CERM, 1 礫, 25 V, +/- 10%, X7R, 0805	Y	MuRata	GRM21BR71E105KA99L	1	Capacitor_Ceramic.IntLib
6	C8	CAP, CERM, 0.027 礫, 100 V, +/- 10%, X7R, 0603	Y	Kemet	C0603C273K1RACTU	1	Capacitor_Ceramic.IntLib
7	C9	CAP, AL, 56 礫, 63 V, +/- 20%, 30 ohm, SMD	Y	Panasonic	EEHZA1J560P	1	Capacitor_Aluminum.IntLib
8	C10, C11	CAP, CERM, 4.7uF, 50V, +/-10%, X7R, 1210	Y	MuRata	GRM32ER71H475KA88L	2	Capacitor_Ceramic.IntLib
9	C12, C13	CAP, CERM, 0.22 礫, 50 V, +/- 10%, X7R, 0805	Y	MuRata	GRM21BR71H224KA01L	2	Capacitor_Ceramic.IntLib
10	C14	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	Y	TDK	C1608X7R1H104K	1	Capacitor_Ceramic.IntLib
11	D1	Diode, Schottky, 60V, 7A, PowerDI5	Y	Diodes Inc.	PDS760-13	1	Diode.IntLib
12	L1	Inductor, Shielded Drum Core, Superflux, 5.5 礫, 10 A, 0.0112 ohm, SMD	Y	Würth Elektronik eiSos	744325550	1	Inductor_Wurth.IntLib
13	Q1	Transistor, PNP, 40V, 0.2A, SOT-23	Y	Diodes Inc.	MMBT3906-7-F	1	Bipolar_Transistor.IntLib
14	R1, R13	RES, 49.9k ohm, 1%, 0.1W, 0603	Y	Yageo America	RC0603FR-0749K9L	2	Resistor_0603.IntLib
15	R2	RES, 12k ohm, 5%, 0.1W, 0603	Y	Yageo America	RC0603JR-0715KL	1	Resistor_0603.IntLib
16	R3	RES, 49.9 k, 1%, 0.1 W, 0603	Y	Vishay-Dale	CRCW060359K0FKEA	1	Resistor_0603.IntLib
17	R5	RES, 53.6k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060353K6FKEA	1	Resistor_0603.IntLib
18	R6	RES, 15.8 k, 1%, 0.1 W, 0603	Y	Vishay-Dale	CRCW060315K8FKEA	1	Resistor_0603.IntLib
19	R7	RES, 49.9 ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060349R9FKEA	1	Resistor_0603.IntLib
20	R11, R12	RES, 10k ohm, 5%, 0.1W, 0603	Y	Yageo America	RC0603JR-0710KL	2	Resistor_0603.IntLib
21	R14	RES, DNP ohm, 1%, 0.1W, 0603	Y	Yageo America	RC0603FR-07200KL	1	Resistor_0603.IntLib
22	R15, R20	RES, DNP, 1%, 0.1 W, 0603	Y	Vishay-Dale	CRCW0603432KFKEA	2	Resistor_0603.IntLib
23	R17	RES, 20.5k ohm, 1%, 0.1W, 0603	Y	Yageo America	RC0603FR-0720K5L	1	Resistor_0603.IntLib
24	R19	RES, 2.00Meg ohm, 1%, 0.1W, 0603	Y	Yageo America	RC0603FR-072ML	1	Resistor_0603.IntLib
25	TP1, TP2, TP3, TP4	Terminal, Turret, TH, Double	Y	Keystone	1502-2	4	Connectors.IntLib
26	U1	LMR14050SDDAR, DDA0008E	Y	Texas Instruments	LMR14050SDDAR	1	TI_Pre_RTU.IntLib
27	U2	Adjustable Precision Zener Shunt Regulator, 3-pin SOT-23	N	Texas Instruments	LM431BCM3	1	NSC MiscPower.IntLib

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