

# Assembly Bill of Materials

# Texas Instruments

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Project Name:	PMP9454 REVB
Project File:	PMP9454 REVB.PrjPcb
Base ID:	PMP9454 REVB
Schematic Rev:	E1
Assembly Variant:	None
Build Quantity:	100
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Item	Designator	Description	RoHS	Manufacturer	PartNumber	Quantity	Required	Supplier 1	Supplier Part Number 1	Supplier 2	Supplier Part Number 2	Alternate Manufacturer	Alternate PartNumber
1	PCB	Printed Circuit Board	O	Any	PMP9454 REVB	1	100						
2	C1, C2	CAP, CERM, 47uF, 10V, +/-10%, X7R, 1210	Y	MuRata	GRM32ER71A476KE15L	2	200	Digi-Key	490-5312-1-ND	Mouser	81-GRM32ER71A476KE5L		
3	C5, C12, C13, C15, C16	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0402	Y	MuRata	GRM155R71C104KA88D	5	500	Digi-Key	490-3261-1-ND	Mouser	81-GRM155R71C104KA88		
4	C7, C9	CAP, CERM, 3.3uF, 50V, +/-20%, X7R, 1210	Y	TDK	C3225X7R1H335M	2	200	Digi-Key	445-1432-1-ND	Farnell	1844363		
5	C8, C10	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	Y	MuRata	GRM32ER71H106KA12L	2	200	Digi-Key	490-6544-1-ND	Mouser	81-GRM32ER71H106KA2L		
6	C14	CAP, CERM, 2.2uF, 10V, +/-10%, X5R, 0402	Y	TDK	C1005X5R1A225K050BC	1	100	Digi-Key	445-7392-1-ND	Newark	87R3267		
7	C17	CAP, CERM, 10uF, 16V, +/-10%, X5R, 0805	Y	MuRata	GRM21BR61C106KE15L	1	100	Digi-Key	490-3886-1-ND	Mouser	81-GRM21BR61C106KE15		
8	C18	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603	Y	Kemet	C0603C104K3RACTU	1	100	Digi-Key	399-1281-1-ND	Mouser	80-C0603C104K3R		
9	CSS	CAP, CERM, 0.01uF, 16V, +/-10%, X7R, 0402	Y	TDK	C1005X7R1C103K	1	100	Digi-Key	445-1262-1-ND	Farnell	1844125		
10	L1	Inductor, Shielded, Composite, 22uH, 5.6A, 0.06 ohm, SMD	Y	Coilcraft	XAL6060-223MEB	1	100						
11	L2	Inductor, Shielded, Composite, 6.8uH, 3.6A, 0.0674 ohm, SMD	Y	Coilcraft	XAL4030-682MEB	1	100	Mouser	994-XAL4030-682MEB				
12	R0, R5	RES, 0 ohm, 5%, 0.063W, 0402	Y	Panasonic	ERJ-2GE0R00X	2	200	Digi-Key	P0.0JCT-ND			Any	Equivalent
13	R1	RES, 100k ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW0402100KFKED	1	100	Digi-Key	541-100KLCT-ND	Mouser	71-CRCW0402-100K-E3		
14	R2	RES, 26.7k ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW0402267KFKED	1	100	Digi-Key	541-26.7KLCT-ND	Mouser	71-CRCW0402-26.7K-E3		
15	R3	RES, 402k ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW0402402KFKED	1	100	Digi-Key	541-402KLCT-ND	Farnell	1151255	Any	Equivalent
16	R4	RES, 221k ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW0402221KFKED	1	100	Digi-Key	541-221KLCT-ND	Farnell	1151036	Any	Equivalent
17	R7	RES, 49.9k ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW0402499KFKED	1	100	Digi-Key	541-49.9KLCT-ND	Farnell	1562614	Any	Equivalent
18	R15	RES, 1.0Meg ohm, 5%, 0.063W, 0402	Y	Vishay-Dale	CRCW04021M00JNED	1	100	Digi-Key	541-1.0MJCT-ND	Farnell	1514661	Any	Equivalent
19	U1	3.5 - 36V 3A Step-Down Converters with Low Quiescent Current, PWP0016F	Y	Texas Instruments	LM43603PWP	1	100					None	
20	U2	POLA MODULE 7 PINS X 3125-2-00-34-00-00-08-0	Y	Mill-Max	3125-2-00-34-00-00-08-0	1	100	DigiKey		Mouser	575-3125200340000	-	-

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