

296M BOM

BOM is for reference only as stock is never guaranteed.

This is an advanced project, proceed with caution. MEMS and associates will not assume any responsibility for any non desired results.

Part	LS	Qty	Comment	Part No	MB	Card 1	Card 2	Card 3	Card 4	Card 5	Card 6	Card 7	Card 8	Card 9	Card 10
Film															
1 nF	6mm	2	63V 5% 13x4x9	80-MMK5102J50J01TR18	5mm LS	2									
1 nF	10 mm	12	400V 10% 13x4x9	80-MMK10102K400A01L4	7mm LS									4	8
1.5 nF	10 mm	8	250V 10% 13x4x9	80-MMK10152K250A01L4	7mm LS								4	4	
2.2 nF	10 mm	14	1KV 10% 13x4x9	80-R60QF12204001K	7mm LS						2		6	2	4
3.3 nF	10 mm	6	1KV 10% 13x4x9	80-R60QF1330AA01K	7mm LS						4			2	
3.9 nF	10 mm	2	1KV 5% 13x4x9	871-B32671L392J	7mm LS						2				
4.7 nF	10 mm	12	400V 10% 13x4x9	871-B32671L0472K000	7mm LS					4	2		2	2	2
5.6 nF	10 mm	12	630V 5% 13x4x9	80-R75PF156050H0J	7mm LS			2		4	4		2		
6.8 nF	10 mm	8	400V 10% 13x4x9	80-MMK10682K400A1L4	7mm LS			6		2					
10 nF	10 mm	9	630V 10% 13x4x9	80-R60PF21004030K	7mm LS			3	2		4				
15 nF	10 mm	9	400V 5% 7.3x2.5x6.5	871-B32521C6153J	7mm LS	2		3	2						2
20 nF	6mm	1	100V 5% 7.2x2.5x6.5	80-R82EC2200DQ50J	5mm LS		1								
22 nF	10 mm	7	400V 5% 13x4x7	871-B32521E6223J000	7mm LS		1	2	2						2
33 nF	10 mm	6	250V 5% 13x4x7	871-B32521C3333J	7mm LS			4						2	
47 nF	10 mm	5	250V 5% 13x4x7	871-B32521C3473J	7mm LS		3				2				
68 nF	10 mm	6	250V 5% 13x4x7	871-B32521C3683J	7mm LS		2	2		2					
100 nF	10 mm	2	250V 5% 13x4x7	871-B32521C3104J	7mm LS				2						
180 nF	10 mm	6	250V 5% 13x5x11	80-F461AK184J250L	7mm LS, too tall for card 7		4	2							
220 nF	10 mm	2	63V 10% 13x4x9	80-MMK10224K63A01L4	7mm LS, substitute 0.22 card 7							2			
270 nF	10 mm	1	250V 5% 12x6x11.5	667-ECQ-E2274JF	7mm LS		1								
1 uF	10mm	4	63V 5% 10x4x9	80-R60DF4100506AJ	7mm LS		4								
Ceramic															
22 pF	6mm	2		81-RDESC1H220J0M1H3A								2			
100 pF	6mm	32		81-RDESC1H1010M1H3A		2	2	2	12	2	2	4	2	2	2
10 nF	6mm	71		81-RDESC1H1031K1H3B		8	8	8	5	8	8	2	8	8	8
47 nF	6mm	16		81-RDESC1H473J2K1H3B		2	2	2		2	2		2	2	2
Electrolytic															
4.7 uF bipolar		1	16V radial 1.5mm LS	647-USP1C4R7MDD		1									
4.7 uF	15 mm	2		594-2222-021-39478	requires small diameter 1R	2									
Trimmers															
100K		16		652-3362X-1-104LF		2	2	2		2	2		2	2	2
1K		45		652-3362X-1-102LF		3	6	6		6	6		6	6	6
Semiconductors															
1N457		49		512-1N457		6	6	6	1	6	6		6	6	6
2N4341		16	Can use J203			2	2	2		2	2		2	2	2
AM97C11		1			substitute AH5011					1					
TL072		41		595-TL072CP		4	4	4	6	4	4	3	4	4	4
SSM2020		8	daughter card replacement	MEMS	(1) 2164, (4) 499R, (4) 560pF, (1) 7K5, (2) 56K, (16) pins	1	1	1		1	1		1	1	1
LM339		8		595-LM339AN		1	1	1		1	1		1	1	1
TL074		8		595-TL074CN		1	1	1		1	1		1	1	1
1N5233		2		78-1N5233B-TAP								2			
2N1711		2	LED driver	610-2N1711	substitute 512-2N3904TF							2			
Resistors 1%															
0R/Jumper		32		603-MFR-25FRF52-0R	jumper	4	4	4		4	4		4	4	4
1R		2	1/2 watt	603-MFR50SFTE52-1R	small diameter	2									
100R		3		603-MFR-25FTE52-100R											3
150R		1		603-MFR-25FTE52-150R				1							
220R		2		603-MFR-25FTE52-220R		1								1	
330R		13		603-MFR-25FTE52-330R			2			3	2	2	1	1	2
470R		10		603-MFR-25FTE52-470R		1	1	3		2	1		1		1
680R		14		603-MFR-25FTE52-680R		1	1	1	3	1	1		2	4	
820R		3		603-MFR-25FTE52-820R				1			1		1		
1K		85		603-MFR-25FTE52-1K		10	8	8	11	8	9	6	9	8	8
2K2		2		603-MFR-25FTE52-2K2		2									
3K3		1		603-MFR-25FTE52-3K3		1									
4K7		7		603-MFR-25FTE52-4K7		2			3			2			
8K2		2		603-MFR-25FTE52-8K2		1									1
10K		52		603-MFR-25FTE52-10K		7	6	6	2	6	6		6	6	7
15K		19		603-MFR-25FTE52-15K		3	2	2	2	2	2		2	2	2
18K7		2		603-MFR-25FTE52-18K7		1									1
20K		2		603-MFR-25FTE52-20K		1									1
21K5		2		603-MFR-25FTE52-21K5				1						1	
22K		27		603-MFR-25FTE52-22K		23	1		2						1
23K2		2		603-MFR-25FTE52-23K2				1						1	
24K		1		603-MFR-25FTE52-24K											1
24K9		2		603-MFR-25FTE52-24K9									1		
27K4		2		603-MFR-25FTE52-27K4				1					1		
30K		16		603-MFR-25FTE52-30K		2	2	2		2	2		2	2	2
30K1		2		603-MFR-25FTE52-30K1						1	1				
33K		57		603-MFR-25FTE52-33K		32	2	3	2	4	2	2	4	2	2
33K2				603-MFR-25FTE52-33K2						1					
35K2		1			use parallel 36K and 1M5						1				
36K		2		603-MFR-25FTE52-36K										2	
37K4		2		603-MFR-25FTE52-37K4						1	1				
39K		20		603-MFR-25FTE52-39K		2	4	2		2	2	2	2	2	2
43K2		2		603-MFR-25FTE52-43K2						1	1				
47K		4		603-MFR-25FTE52-47K		2								2	
49K9		2		603-MFR-25FTE52-49K9				1					1		

