296 BOM
Updated 5-1-2024

							Card Number									
Part	**LS**	**Qty**	**Comment**	**Part No**		**MB**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**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, use card 7 for 180 nF								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-RDE5C1H220J0M1H3A									2			
100 pF	6mm	32		81-RDE5C1H101J0M1H3A			2	2	2	12	2	2	4	2	2	2
10 nF	6mm	71		81-RDE5C1H103J1K1H3B			8	8	8	5	8	8	2	8	8	8
47 nF	6mm	16		81-RDE5C1H473J2K1H3B			2	2	2		2	2		2	2	2
Electrolytic																
					was 647-USP1C4R7MDD											
4.7 uF bipolar		1	16V radial non-polar	598-475-BPA050M	need to bend leads to fit		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	https://vakits.com	Nightfire		2	2	2		2	2		2	2	2
AM97C11		1			substitute AH5011					1						
J176		6	Substitute for AH5011 above	512-J176D74Z	Buy 6					3						
TL072		41		595-TL072CP			4	4	4	6	4	4	3	4	4	4
SSM2020		8	replace with daughter card	MEMS	(1) 2164, (4) 499R, (4) 560pF, (1) 7K5, (16) pins		1	1	1		1	1		1	1	1
		8	Coolaudio v2164	https://cabintechglobal.com/v2164m												
		40	499r	652-CR0603FX-4990ELF	Buy extra											
		12	7K5	652-CR0603FX-7501ELF	Buy extra											
		40	560 pF	603-CC603JRNPO9BN561	Buy extra											
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 emitter follower	610-2N1711	substitute 512-2N3904TF								2			
Resistors 1%																
0R/Jumper		32		603-MFR-25FRF52-0R	use for jumpers		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		3		603-MFR-25FTE52-2K2			3									
3K3		1		603-MFR-25FTE52-3K3			1									
4K7		7		603-MFR-25FTE52-4K7		2				3			2			
8K2		1		603-MFR-25FTE52-8K2												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					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	2
33K2		1		603-MFR-25FTE52-33K2								1				
35K2		1		603-MFR-25FTE52-35K2								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		
56K		34		603-MFR-25FTE52-56K			4	4	4		4	4		4	4	6
60K4		2		603-MFR-25FTE52-60K4					1					1		
62K		1		603-MFR-25FTE52-62K			1									
68K		1		603-MFR-25FTE52-68K										1		
75K		4		603-MFR-25FTE52-75K				2	1						1	
82K		2		603-MFR-25FTE52-82K							1					1

91K	4		603-MFR-25FTE52-91K			1		1					2			
100K	67		603-MFR-25FTE52-100K		2	6	7	7	7	9	9	1	6	7	6
110K	2		603-MFR-25FTE52-110K						2						
120K	4		603-MFR-25FTE52-120K				1	1			1				1
130K	1		603-MFR-25FTE52-130K				1								
150K	14		603-MFR-25FTE52-150K		4	3			2			2	1	1	1
180K	4		603-MFR-25FTE52-180K				1							3	
200K	2		603-MFR-25FTE52-200K				1	1							
220K	6		603-MFR-25FTE52-220K			1		1		1			3		
240K	5		603-MFR-25FTE52-240K					1		2	2				
300K	4		603-MFR-25FTE52-300K			1		1							2
330K	3		603-MFR-25FTE52-330K							1	1				1
390K	2		603-MFR-25FTE52-390K			1					1				
430K	1		603-MFR-25FTE52-430K			1									
470K	1		603-MFR-25FTE52-470K										1		
620K	1		603-MFR-25FTE52-620K												1
680K	2		603-MFR-25FTE52-680K				1								1
820K	3		603-MFR-25FTE52-820K				1							2	
1M	27		603-MFR-25FTE52-1M			3	4	3		3	3		3	5	3
1M2	14		603-MFR-25FTE52-1M2			1	2	2		3	2		2	1	1
1M5	10		603-MFR-25FTE52-1M5					3		2	3		2		
1M8	1		603-MFR-25FTE52-1M8										1		
4M7	16		603-MFR-25FTE52-4M7			2	2	2		2	2		2	2	2
Misc																
50K slider	16	Alps Alpine RS4511150K	Newark		16											
Slider spacer	16		MEMS	insulator	16											
DPDT on-on-on	1		611-7211-002		1											
SPST on-on	2		611-7101-002		2											
~~25K Vishay PRV6~~	~~5~~		~~72-PRV6-50K~~	Use Alps 9mm+adapter	5											
25K Alps 9mm	5		Smallbear													
Alps to PRV6 adapter	5		MEMS													
Molex	20	10 pin motherboard	538-26-20-2101	cut one to 8 pin	20											
Molex	19	10 pin card	538-09-48-3105			2	2	2	1	2	2	2	2	2	2
Molex	1	8 pin card	538-09-48-3085						1						
Power Connector	1		587-306-50-010		1											
Spacers	3	14 mm	761-M1261-3005-S-12	3" build	3											
Sockets	41	8 pin	517-4808-3000-CP			4	4	4	6	4	4	3	4	4	4
Sockets	16	14 pin	517-4814-3000-CP			2	2	2		2	2		2	2	2
Sockets	10	16 pin machined	575-11044316	use for IC3 daughter card + card4 + adapter build		1	1	1		1	1		1	1	1
Sockets	1	16 pin	517-4816-3000-CP						1						
LEDs	2	3mm	630-HLMP-K101		2											
Knobs	5	small	SAModular or Antique Electronic Supply		5											
Knob bushings	5	1/8" to 1/4" shaft adapter	~~506-KR104~~	If using PRV6 pots only	5											
Blue Slider Caps	19		SAModular or Thonk "mini"	Light Blue, not Dark Blue	19											
Black Banana	18		530-108-0903-1		18											
Blue Banana	8		530-108-0910-1		8											
Violet Banana	8		530-108-0912-1		8											
3.5 mm Jacks	25		502-41		26											
3.5 mm Jacks	2	Normaled	502-42A		2											