

Partlist exported from OBXVox_cardframe.sch at 7/6/2013 9:21:28 AM BoM v2.1

Qty	Value	Device/Refdes	Part desc/number/vendor
<u>Connectors</u>			
12	KK-156-3	AR1,AR2,AR3,AR4, CR1,CR2,CR3,CR4, GR1,GR2,GR3,GR4	Molex #26-48-1031, Mouser# 538-26-48-1031
3	KK-156-3BE	AA, CC, GG	Molex bot entry header Mouser# 538-09-52-3032
4	KK-156-4	FR1,FR2,FR3,FR4	Molex #26-48-1041, Mouser# 538-26-48-1041
1	KK-156-4BE	FF	Molex bot entry header Mouser# 538-09-52-3042
4	KK-156-8	BR1,BR2,BR3,BR4	Molex #26-48-1081, Mouser# 538-26-48-1081
1	KK-156-8BE	BB	Molex bot entry header Mouser# 538-09-52-3082
8	KK-156-10	DR1,DR2,DR3,DR4, ER1,ER2,ER3,ER4	Molex #26-48-1101, Mouser# 538-26-48-1101
2	KK-156-10BE	DD, EE	Molex bot entry header Mouser# 538-09-52-3102
1	MTA04-156	P1	Molex #26-60-4040, Digikey# WM4622-ND
1	CV/gate hdr	JP1	see note 1
<i>3 of the following header</i>			
1	LEFT 1x3	JP3	Digikey# A19470-ND
1	MONO 1x3	JP4	
1	RIGHT 1x3	JP5	
<i>Optional: for adding fine tune panel pots, use additional 4 pieces of the following header</i>			
1	FT1 1x3	JP2	Digikey# A19470-ND
1	FT2 1x3	JP6	
1	FT3 1x3	JP7	
1	FT4 1x3	JP8	
<i>Optional: for connecting two 4-voice carriers only, use 2 of the following header</i>			
1	OLEXP 1x2	JP9	Digikey# A19423-ND
1	OREXP 1x2	JP10	
<u>Semiconductors</u>			
1	78L15Z	VR1	Digikey# MC78L15ABPGOS-ND
1	79L15Z	VR2	Digikey# MC79L15ABPGOS-ND
16	1N4148	D1, D2, D3, D4, D5, D6, D7, D8, D9,D10,D11,D12, D13,D14,D15,D16	Digikey# 1N4148FS-ND
1	2N3906	Q1	Digikey# 2N3906FS-ND
2	TL072P	IC1, IC3	Digikey# 296-1775-5-ND
1	LM13700N	IC2	Digikey# LM13700N/NOPB, Mouser# 926-LM13700N/NOPB
<u>Resistors</u>			
2	1K	R32, R55	Digikey# 1.0KQBK-ND
2	10K	R33, R56	Digikey# 10KQBK-ND
2	15K	R34, R158	Digikey# 15KQBK-ND
2	22K	R28, R51	Digikey# 22KQBK-ND

6	23K7 1%	R25,R26,R27,R48, R49, R50	Digikey# 23.7KXBK-ND
3	47K	R2, R3, R57	Digikey# 47KQBK-ND
2	100K trimpot	R29, R52	Digikey# 3362P-104LF-ND
2	100K	R30, R53	Digikey# 100KQBK-ND
5	100R	R1,R4,R5,R31,R54	Digikey# 100QBK-ND (100Q not KQ!)
2	120K	R24, R47	Digikey# 120KQBK-ND

Capacitors, Inductors

2	FB 60@100MHz	L1, L2	Mouser# 81-BL01RN1A1F1J, Digikey# P9820BK-ND
2	6u8 tant	C21, C32	Digikey# 478-1921-ND
2	10u Al	C14, C16	Digikey# P5161-ND
8	100n SMD0805	C1, C2, C3, C4, C17,C18,C19,C20	Digikey# 1276-1003-1-ND
2	100u	C13, C15	Digikey# P5182-ND

Note 1: CV/gate header options. For ribbon cable use Digikey# S2212EC-17-ND, for 2 and 3-pin headers, use 4x Digikey# A19470-ND and 2x Digikey# A19423-ND installed like this:

