

Partlist exported from OBXVoice/OBXVox_cardframe_slot.sch at 7/6/2013 9:22:19 AM

Qty	Value	Device/Refdes	Part desc./number/vendor
1	79L15Z	VR2	Digikey# MC79L15ABPGOS-ND
1	78L15Z	VR1	Digikey# MC78L15ABPGOS-ND
3	KK-156-3	AA, CC, GG	Molex #26-48-1031, Mouser# 538-26-48-1031
3	KK-156-3	AR, CR, GR	Molex #09-52-3031, Mouser# 538-09-52-3031
1	KK-156-4	FF	Molex #26-48-1041, Mouser# 538-26-48-1041
1	KK-156-4	FR	Molex #09-52-3041, Mouser# 538-09-52-3041
1	KK-156-8	BB	Molex #26-48-1081, Mouser# 538-26-48-1081
1	KK-156-8	BR	Molex #09-52-3081, Mouser# 538-09-52-3081
2	KK-156-10	DD, EE	Molex #26-48-1101, Mouser# 538-26-48-1101
2	KK-156-10	DR, ER	Molex #09-52-3101, Mouser# 538-09-52-3101
1	1n X7R	C6	Digikey# 445-5246-ND
2	10u Al	C14, C16	Digikey# P5148-ND
1	22n poly	C5	Digikey# P4517-ND
1	100n poly	C7	Digikey# P4525-ND
8	100n SMD0805	C1, C2, C3, C4, C17, C18, C19, C20	Digikey# 1276-1003-1-ND
2	100u Al	C13, C15	Digikey# P5165-ND
1	1K	R3	Digikey# 1.0KQBK-ND
1	10R	R5	Digikey# 10QBK-ND
1	22K	R4	Digikey# 22KQBK-ND
2	47K	R9, R11	Digikey# 47KQBK-ND
1	50K	R13	Digikey# 3296Z-503LF-ND
1	100K	R2	Digikey# 100KQBK-ND
1	100R	R1	Digikey# 100QBK-ND
2	150K	R8, R10	Digikey# 150KQBK-ND
1	LM13700	IC2	Digikey# LM13700N/NOPB-ND
1	TL072P	IC1	Digikey# 296-1775-5-ND
4	(jumper)	R6, R7, R12, R14 – not used in normal configurations	

Construction notes for rev1 slot boards:

Number each board with a marker: 1, 2, 3, 4. Set numbers 1 and 3 apart from numbers 2 and 4; each pair will be assembled with minor differences as to how certain components mount. The spacing between slots 1-2 and 3-4 is tight, and certain assembly procedures will help make the boards plug in and line up properly with no part or board collisions.

Non-polarized capacitors, resistors and ICs mount normally. Only capacitors C13 to C16, VR1, VR2 and the vertical 0.156" headers require special steps as follows:

Boards 1 and 3: The vertical headers installed in locations AA through GG all should have the solder-side header pins clipped as close to the pad as possible without damaging the pads. VR1 and VR2 need to mount as far down against the board as possible – prepare the center lead for best fit. Capacitors C14 and C16 should be mounted at a right angle toward the edge of the board, and capacitors C13 and C15 should be mounted at a right angle on the connector side of the board with enough extra lead length to push the capacitors toward header FR. This allows the closely-seated voice card associated with this slot adapter to properly clear the capacitors and voltage regulators. Similar mounting instructions exist for the rev2 voice board in the regulator area.

Boards 2 and 4: Mount C13 and C15 at a right angle, C14 and C16 mount normally.