

VCC = +5V

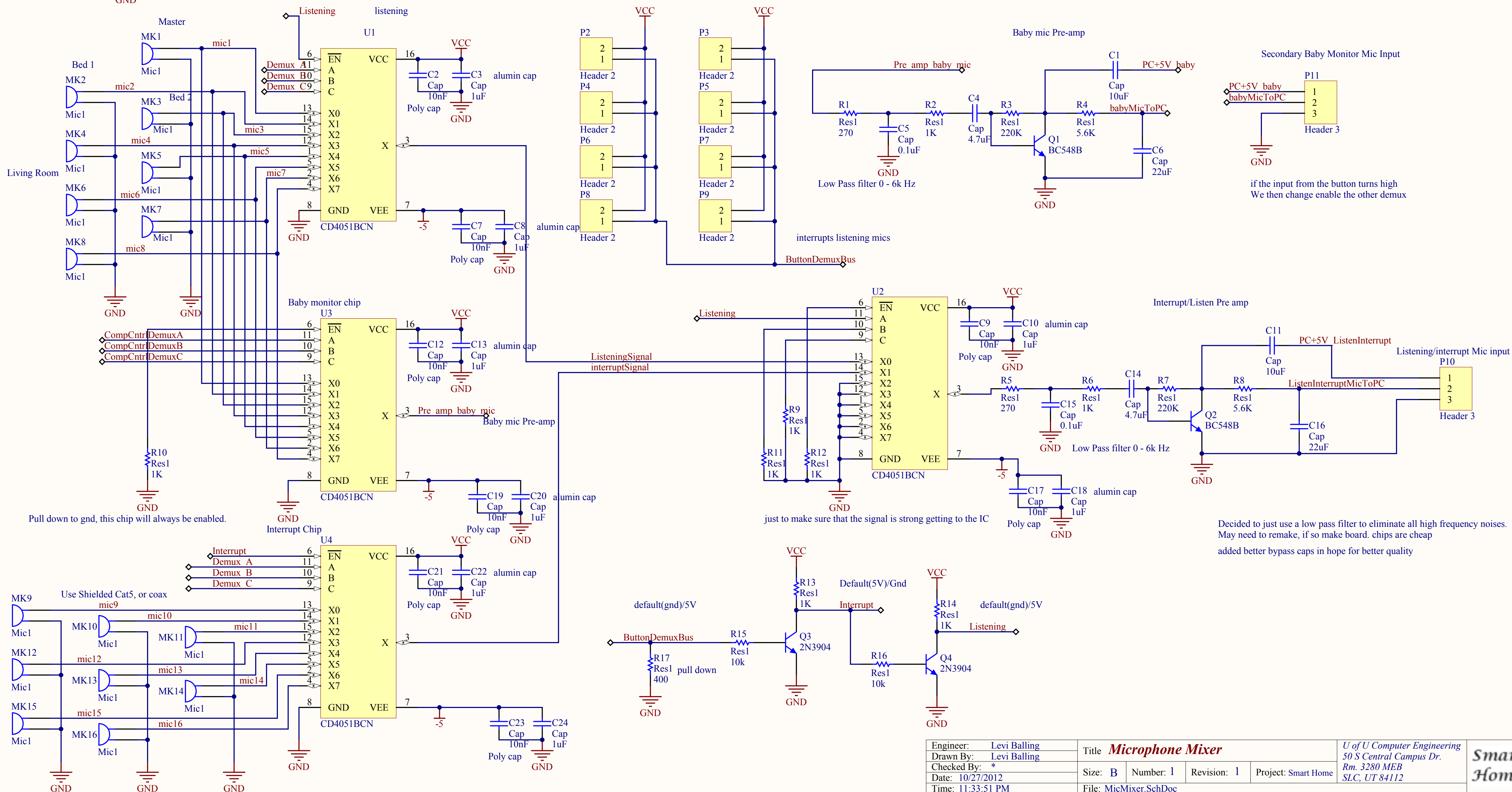
# Microphone Mixer

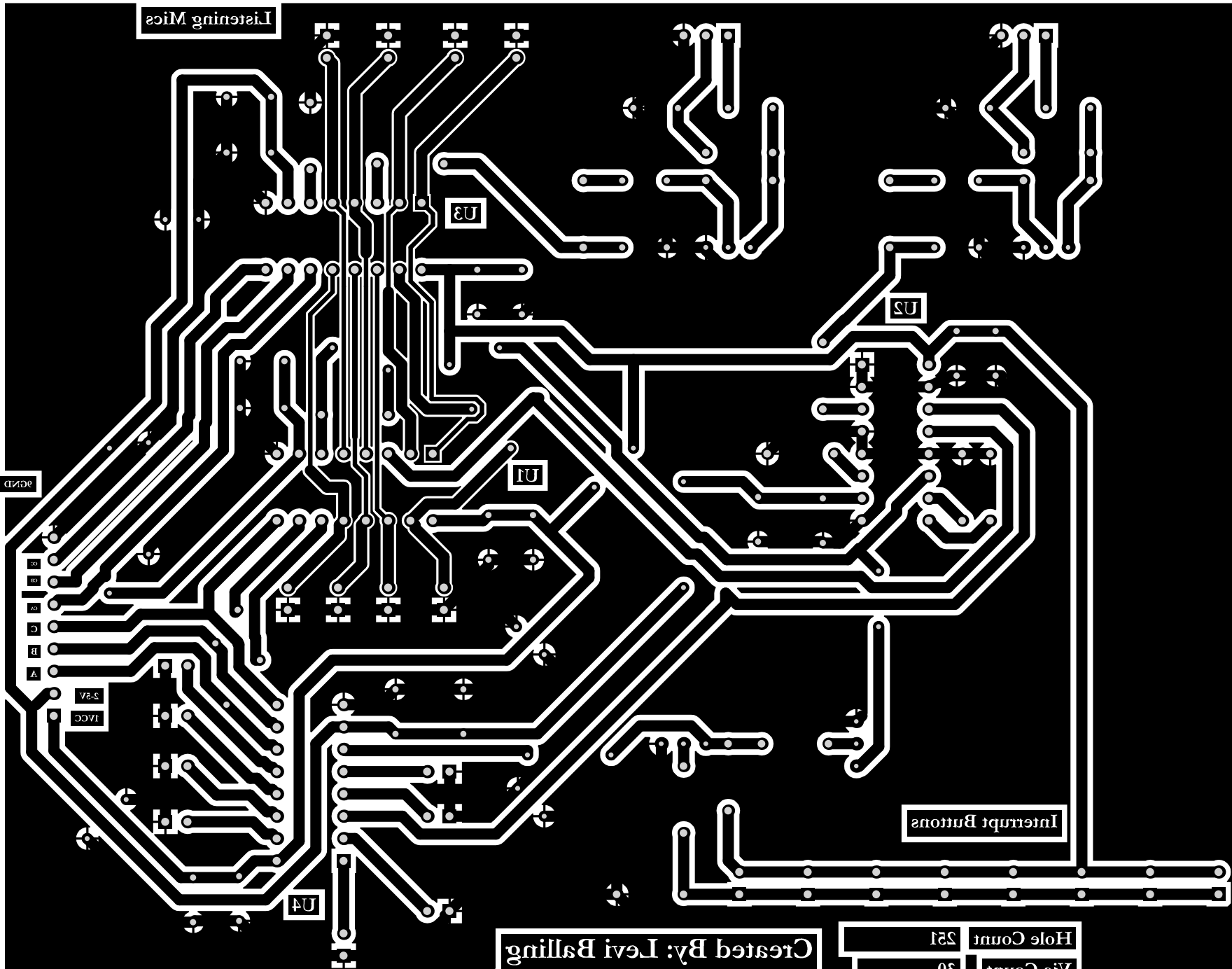
This mic mixer will be controlled using a teensy 2.0

need to disable all other mics but the one being pressed

need to be able to port any specific mic to the input of another mic jack

The Pre-amp was used from [www.hobby-hour.com](http://www.hobby-hour.com)





Mic Mixer  
And Javi Bailing  
Created By: Javi Bailing

Scale	SCALE: 1.00
Date Made	10/27/2012
Via Count	30
Hole Count	251

Listening Mics

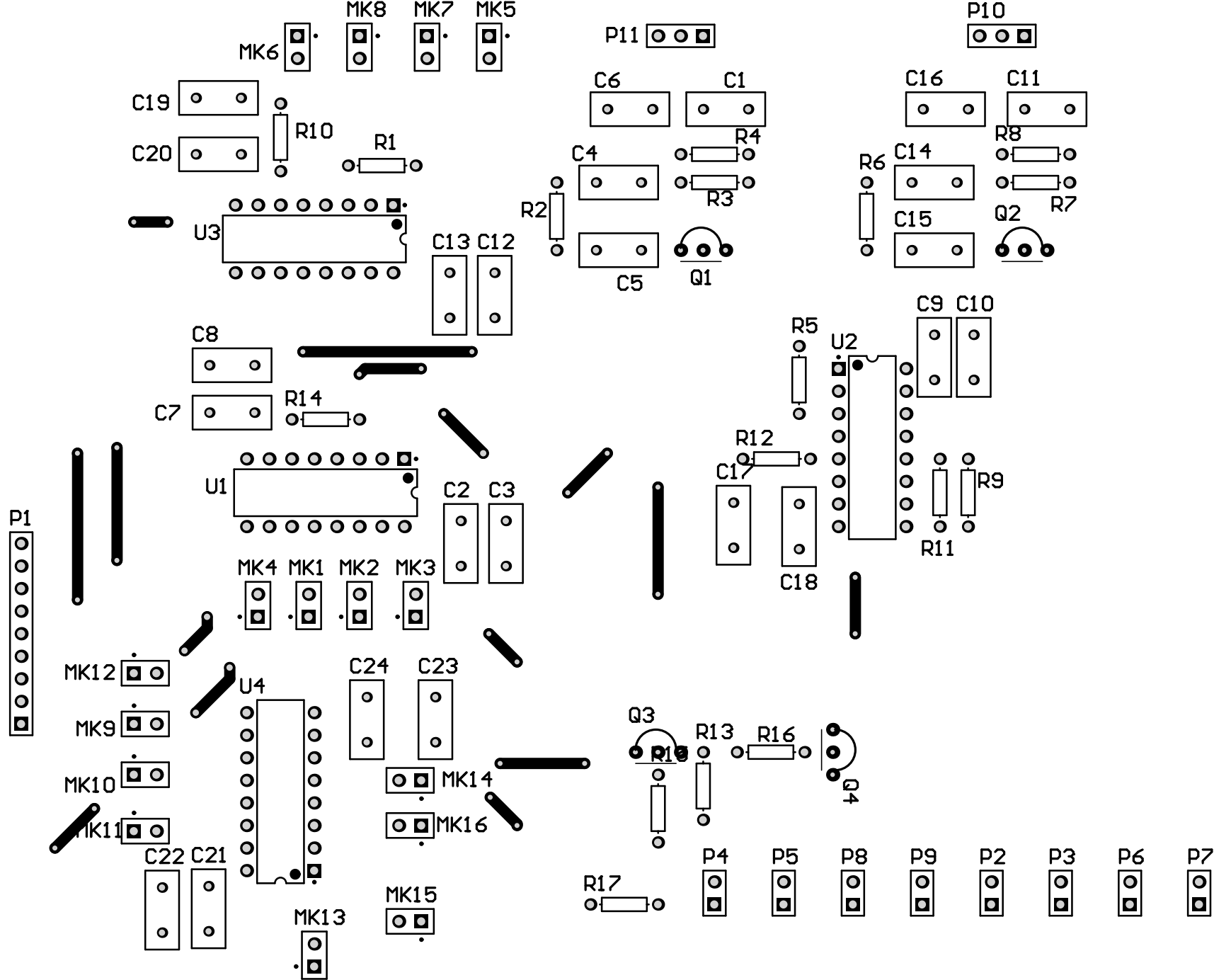
Interrupt Buttons

Listening Mics

VCC  
3.2V

GND

A  
B  
C  
D  
E



# Bill of Materials

Microphone Mixer

Source Data From: MicMixer.SchDoc  
 Project: MicMixer.PrjPcb  
 Organization: U of U Computer Engineering

Creation Date: 10/27/2012 11:34:01 PM  
 Print Date: 27-Oct-12 11:34:06 PM

Value	Designator	Description	Vendor	Quantity	Price	Total Price
0.1uF	C5, C15	Capacitor	Taydaelectronics	2	0.03	\$0.06
1K	R2, R6, R9, R10, R11, R12, R13, R14	Resistor	Taydaelectronics	8	0.01	\$0.08
1uF	C3, C8, C10, C13, C18, C20, C22, C24	Capacitor	Taydaelectronics	8	0.03	\$0.24
2N3904	Q3, Q4	NPN General Purpose Amplifier	Taydaelectronics	2	0.01	\$0.02
4.7uF	C4, C14	Capacitor	Taydaelectronics	2	0.03	\$0.06
5.6K	R4, R8	Resistor	Taydaelectronics	2	0.01	\$0.02
10k	R15, R16	Resistor	Taydaelectronics	2	0.01	\$0.02
10nF	C2, C7, C9, C12, C17, C19, C21, C23	Capacitor	Taydaelectronics	8	0.04	\$0.32
10uF	C1, C11	Capacitor	Taydaelectronics	2	0.03	\$0.06
22uF	C6, C16	Capacitor	Taydaelectronics	2	0.03	\$0.06
220K	R3, R7	Resistor	Taydaelectronics	2	0.01	\$0.02
270	R1, R5	Resistor	Taydaelectronics	2	0.01	\$0.02
400	R17	Resistor	Taydaelectronics	1	0.01	\$0.01
BC548B	Q1, Q2	NPN General Purpose Amplifier	Taydaelectronics	2	0.01	\$0.02
CD4051BCN	U1, U2, U3, U4	8-Channel Analog Multiplexer/Dem ultiplexer	Taydaelectronics	4	0.23	\$0.92
Header 2	P2, P3, P4, P5, P6, P7, P8, P9	Header, 2-Pin	Taydaelectronics	8	0.02	\$0.16
Header 3	P10, P11	Header, 3-Pin	Taydaelectronics	2	0.03	\$0.06
Header 9	P1	Header, 9-Pin	Taydaelectronics	1	0.09	\$0.09
Mic1	MK1, MK2, MK3, MK4, MK5, MK6, MK7, MK8, MK9, MK10, MK11, MK12, MK13, MK14, MK15, MK16	Microphone	Taydaelectronics	16	0.25	\$4.00
				Quantity	76	\$6.24

Approved	Notes