

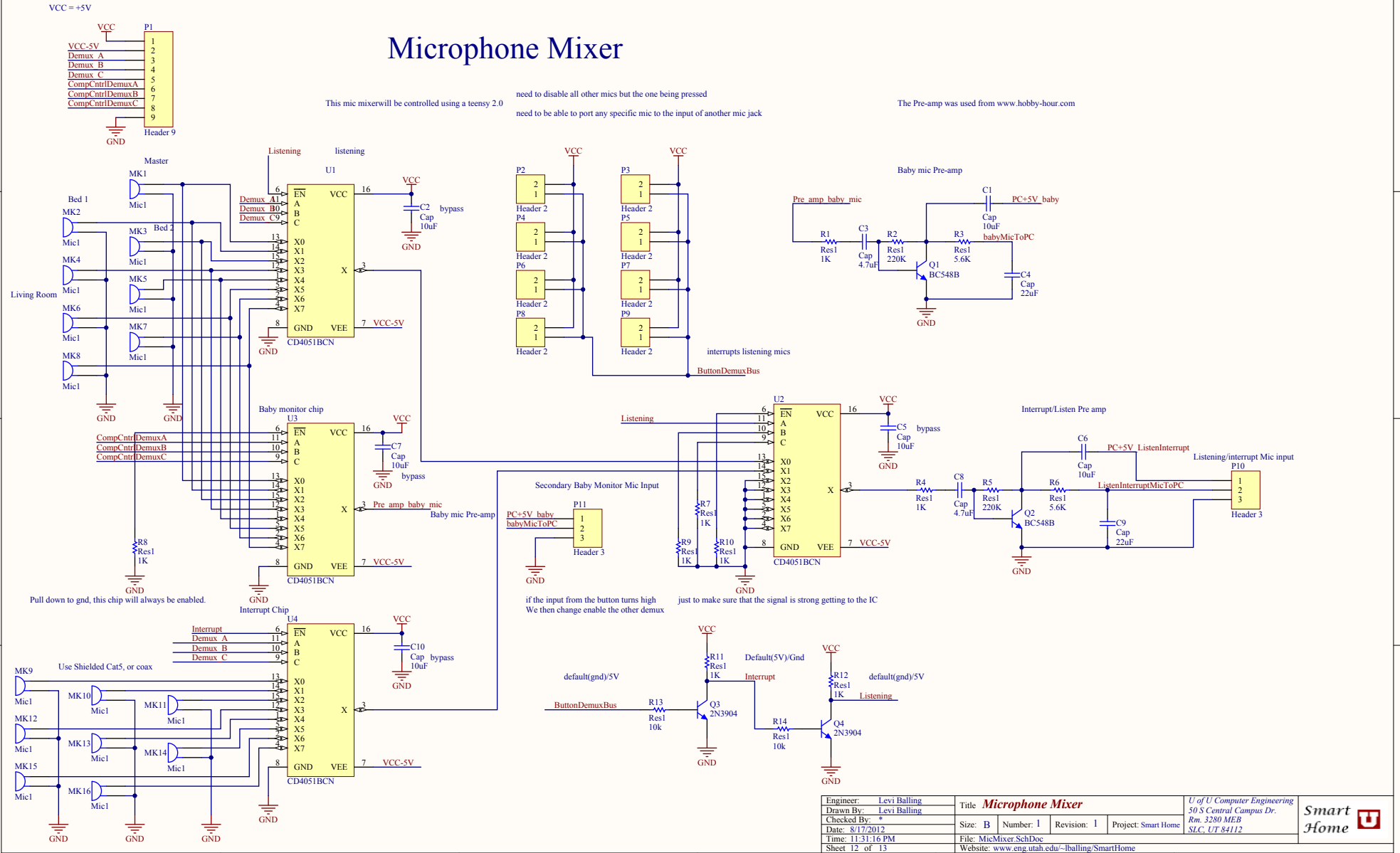
Microphone Mixer

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



Bill of Materials

Microphone Mixer

Source Data From:	MicMixer.PrjPcb
Project:	MicMixer.PrjPcb
Variant:	None

Creation Date:	8/17/2012	11:31:20 PM
Print Date:	17-Aug-12	11:31:22 PM

Footprint	Comment	LibRef	Designator	Description	Quantity
RAD-0.3	Cap	Cap	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10	Capacitor	10
PIN2	Mic1	Mic1	MK1, MK2, MK3, MK4, MK5, MK6, MK7, MK8, MK9, MK10, MK11, MK12, MK13, MK14, MK15, MK16	Microphone	16
HDR1X9	Header 9	Header 9	P1	Header, 9-Pin	1
HDR1X2	Header 2	Header 2	P2, P3, P4, P5, P6, P7, P8, P9	Header, 2-Pin	8
HDR1X3	Header 3	Header 3	P10, P11	Header, 3-Pin	2
2N3904	BC548B	2N3904	Q1, Q2	NPN General Purpose Amplifier	2
2N3904	2N3904	2N3904	Q3, Q4	NPN General Purpose Amplifier	2
AXIAL-0.3	Res1	Res1	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14	Resistor	14
N16E	CD4051BCN	CD4051BCN	U1, U2, U3, U4	8-Channel Analog Multiplexer/Demultiplexer	4
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Approved	Notes