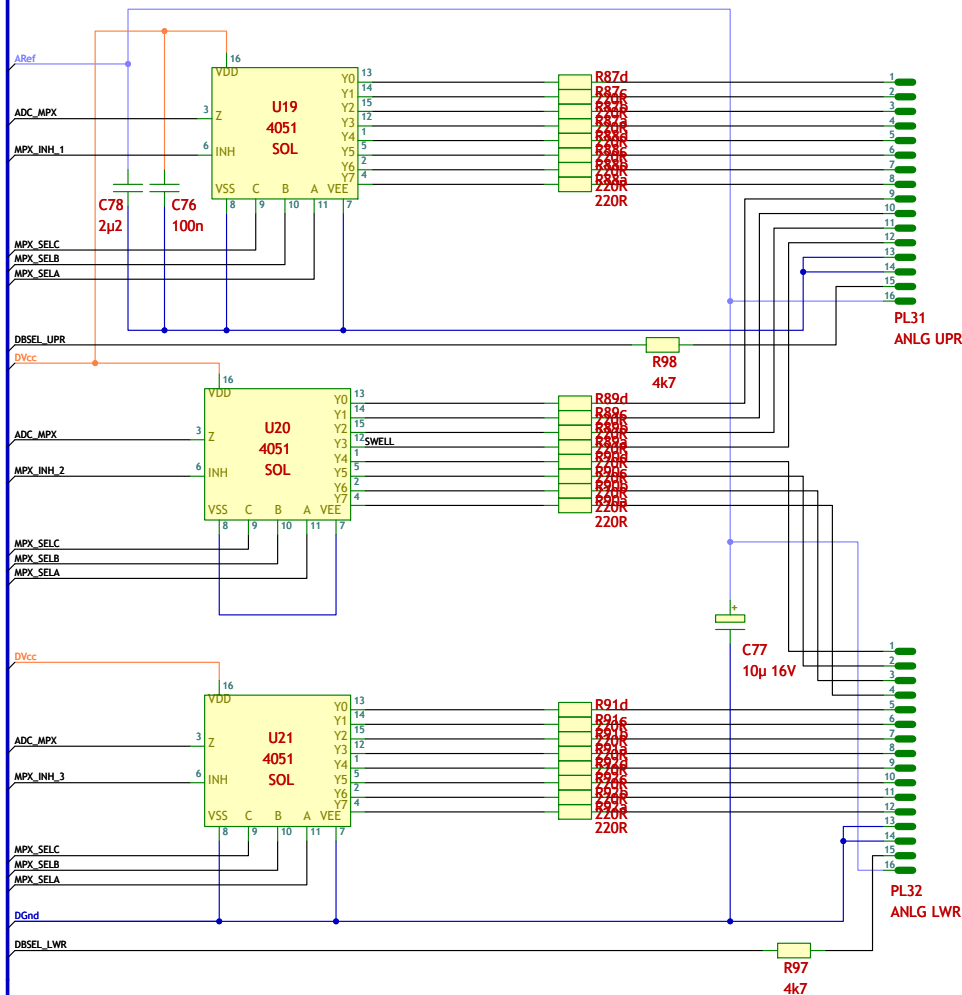


HX 3.6 Analog Controller & I2C Ports

to AVR controller



Analog Controller A Header Pins

Upper Drawbars

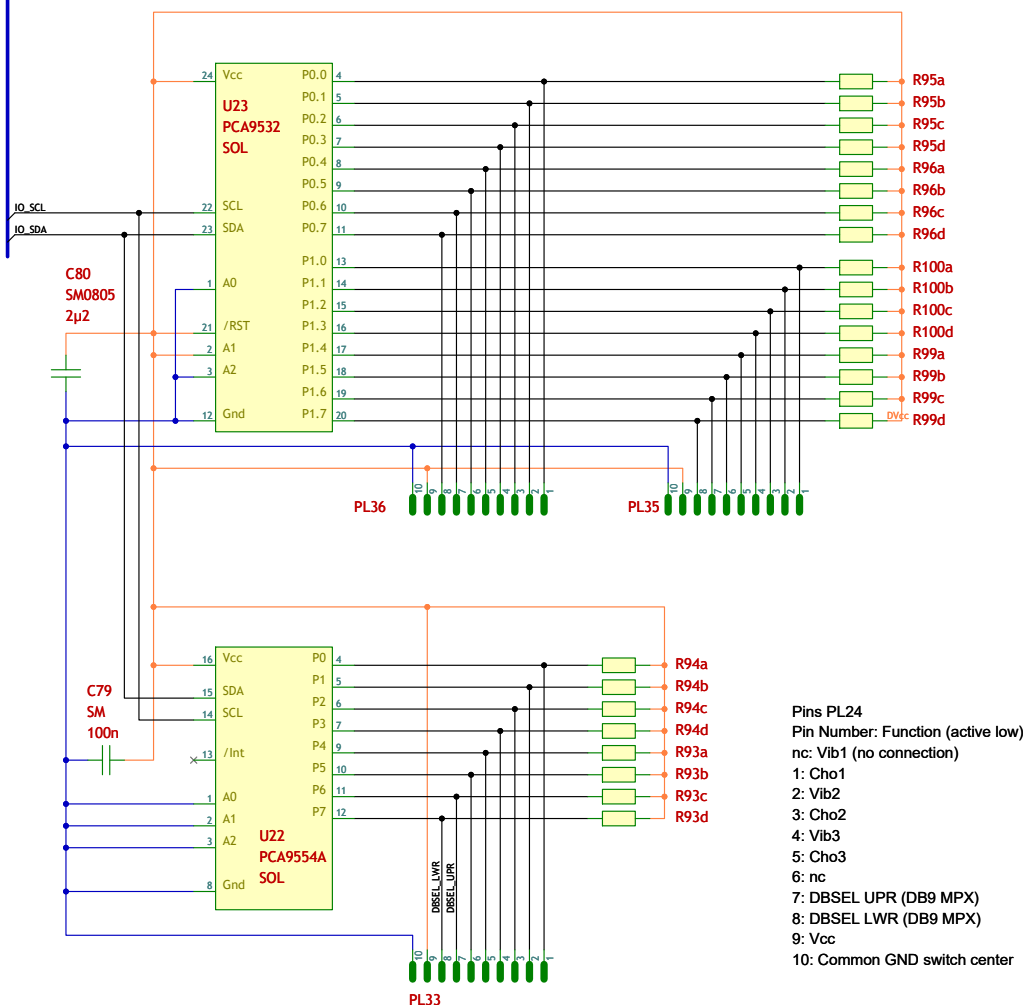
- 1 - Drawbar 16
- 2 - Drawbar 5 1/3
- 3 - Drawbar 8
- 4 - Drawbar 4
- 5 - Drawbar 2 2/3
- 6 - Drawbar 2
- 7 - Drawbar 1 5/9
- 8 - Drawbar 1 1/3
- 9 - Drawbar 1
- 10 - Tone Pot
- 11 - Leslie Volume Pot
- 12 - Aux Analog (Swell Pedal)
- 13, 14 - Drawbar Gnd
- 15, 16 - Drawbar End V+ (Reference)

Analog Controller B Header Pins

Lower and Bass Drawbars

- 1 - Drawbar 16
- 2 - Drawbar 5 1/3
- 3 - Drawbar 8
- 4 - Drawbar 4
- 5 - Drawbar 2 2/3
- 6 - Drawbar 2
- 7 - Drawbar 1 5/9
- 8 - Drawbar 1 1/3
- 9 - Drawbar 1
- 10 - Drawbar Bass 16
- 11 - Drawbar Bass 8
- 12 - Drawbar/Pot Bass Sustain
- 13, 14 - Drawbar Gnd
- 15, 16 - Drawbar End V+ (Reference)

HX 3.5 Switch I/O I2C



Pins PL26 LED Button I/O

Pin Number - Function (active low)

- 1: Perc ON, like B3
- 2: Perc SOFT (NORMAL)
- 3: Perc FAST (SLOW)
- 4: Perc THIRD (SECOND)
- 5: Vib ON upper
- 6: Vib ON lower
- 7: Leslie ON
- 8: Leslie FAST
- 9: (Vcc)
- 10: Common Gnd

Pins PL25 LED Button I/O

Pin Number - Function (active low)

- 1: Common Preset 1
- 2: Common Preset 2
- 3: Common Preset 3
- 4: Common Preset 4
- 5: EFX1 (Reverb 1)
- 6: EFX2 (Reverb 2)
- 7: Bass on Leslie
- 8: Split Lower
- 9: (Vcc)
- 10: Common Gnd

Pins PL24

Pin Number: Function (active low)

nc: Vib1 (no connection)

- 1: Cho1
- 2: Vib2
- 3: Cho2
- 4: Vib3
- 5: Cho3
- 6: nc
- 7: DBSEL UPR (DB9 MPX)
- 8: DBSEL LWR (DB9 MPX)
- 9: Vcc
- 10: Common GND switch center