

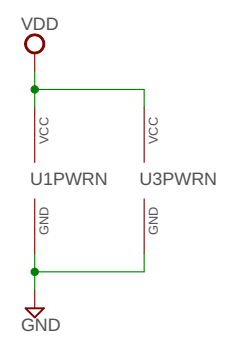
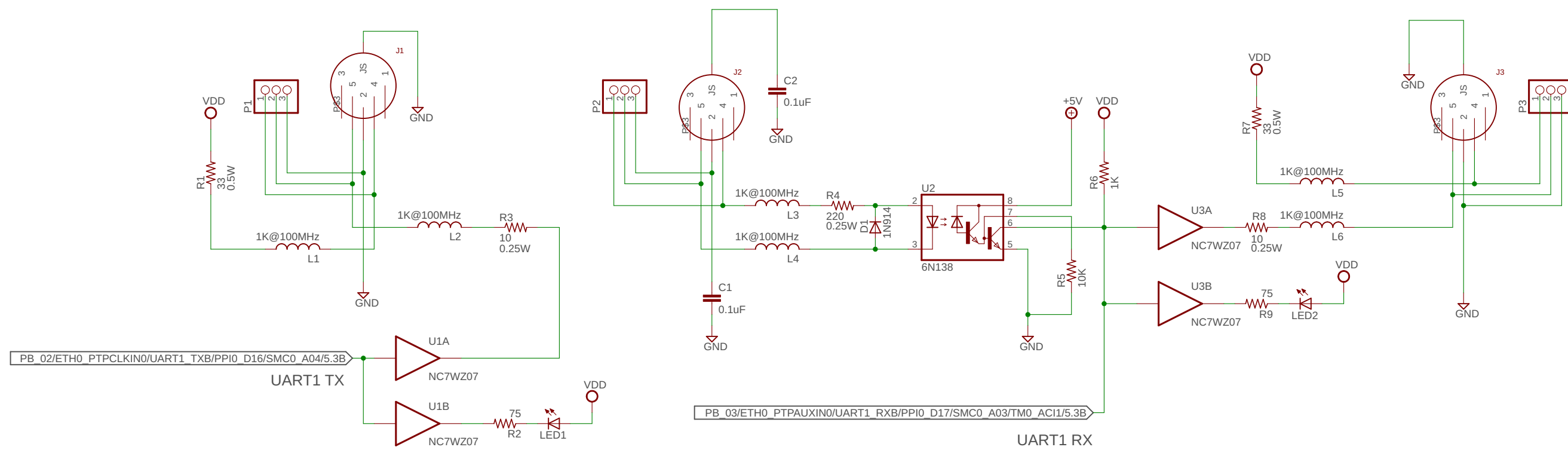
# DIY FIN BOARD SCHEMATICS

TITLE: ADI DIY Board v3.21	
Document Number:	REV: 3.20
Date: 5/4/18 8:47 AM	Sheet: 1/5

# MIDI OUT

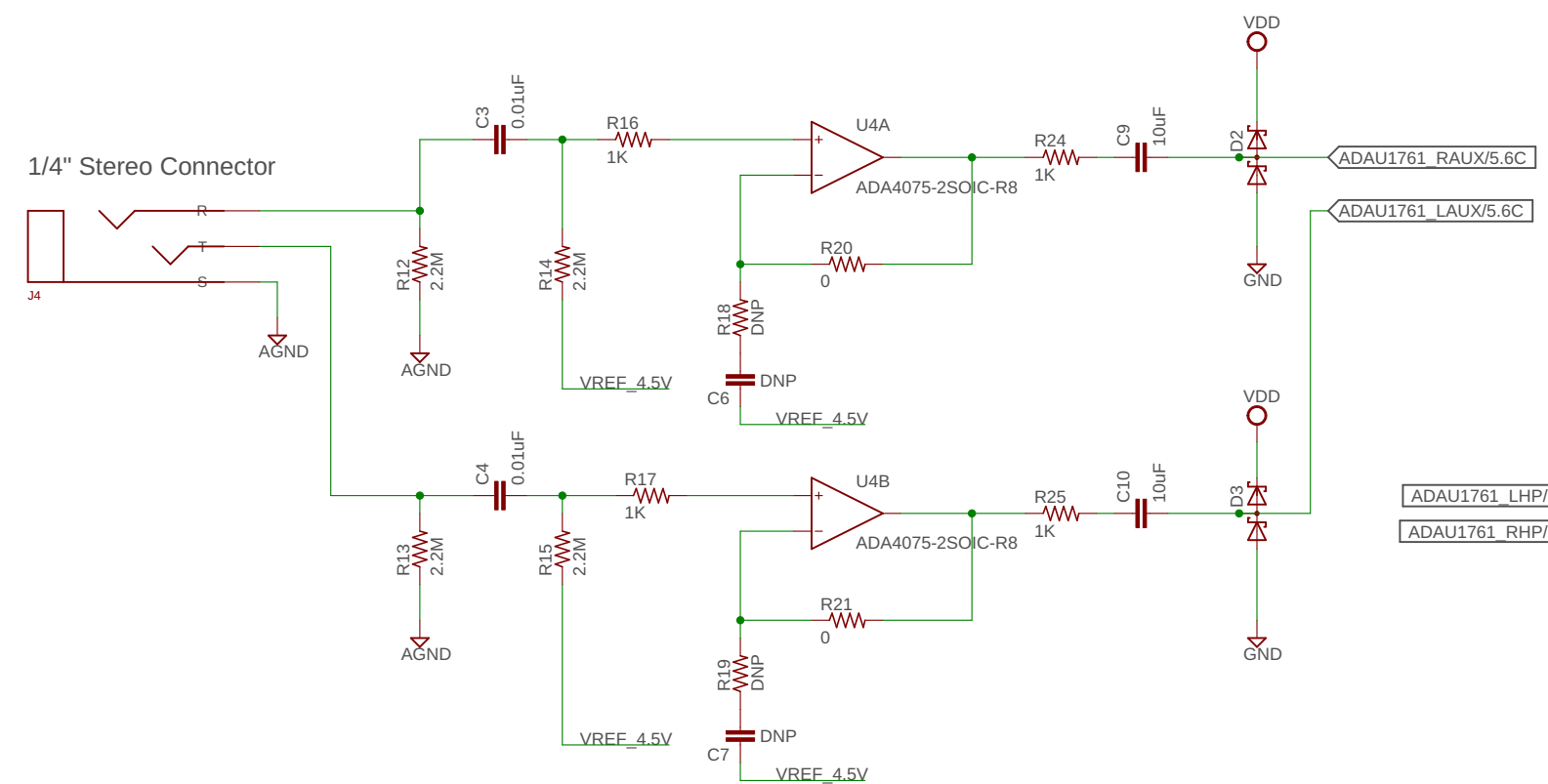
# MIDI IN

# MIDI THRU



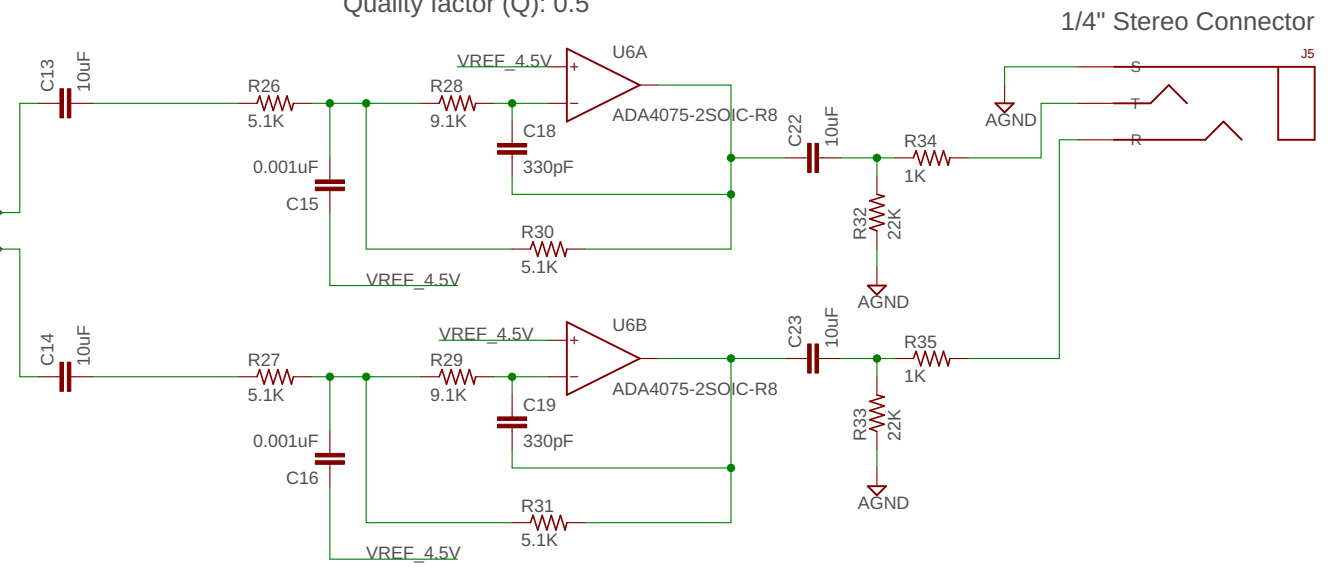
<b>MIDI Interface</b>	
TITLE: ADI DIY Board v3.21	
Document Number:	REV: 3.20
Date: 5/4/18 8:47 AM	Sheet: 2/5

# AUDIO IN

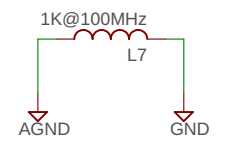


# AUDIO OUT

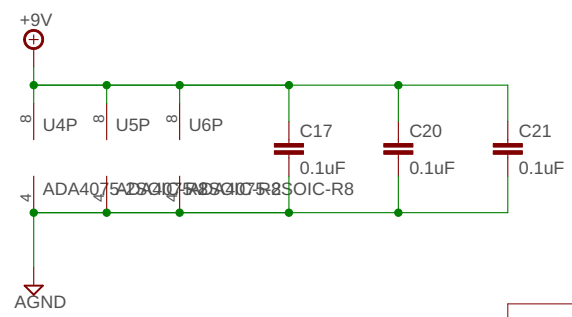
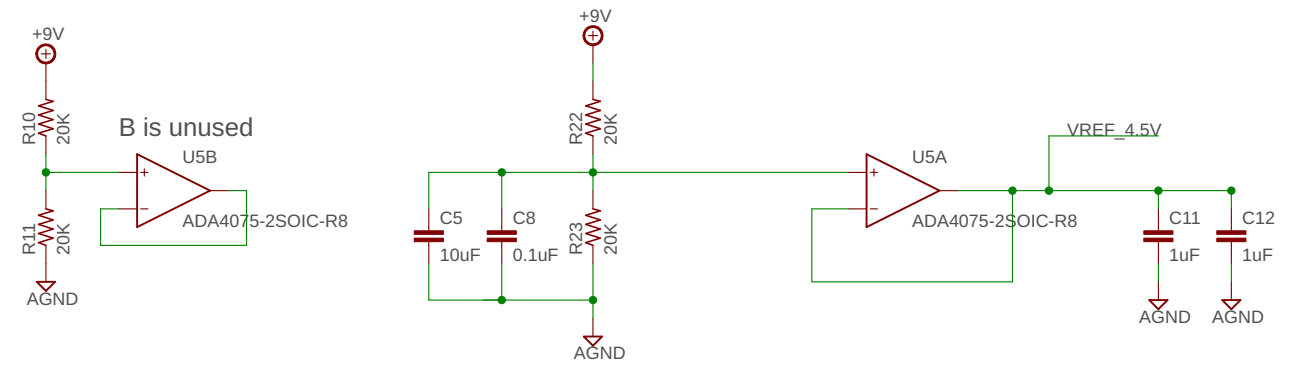
Multi-feedback (MFB) LP Butterworth filter  
 Fc: 40KHz (flat through ~20KHz)  
 Gain: -1  
 Quality factor (Q): 0.5



Split analog / digital ground planes

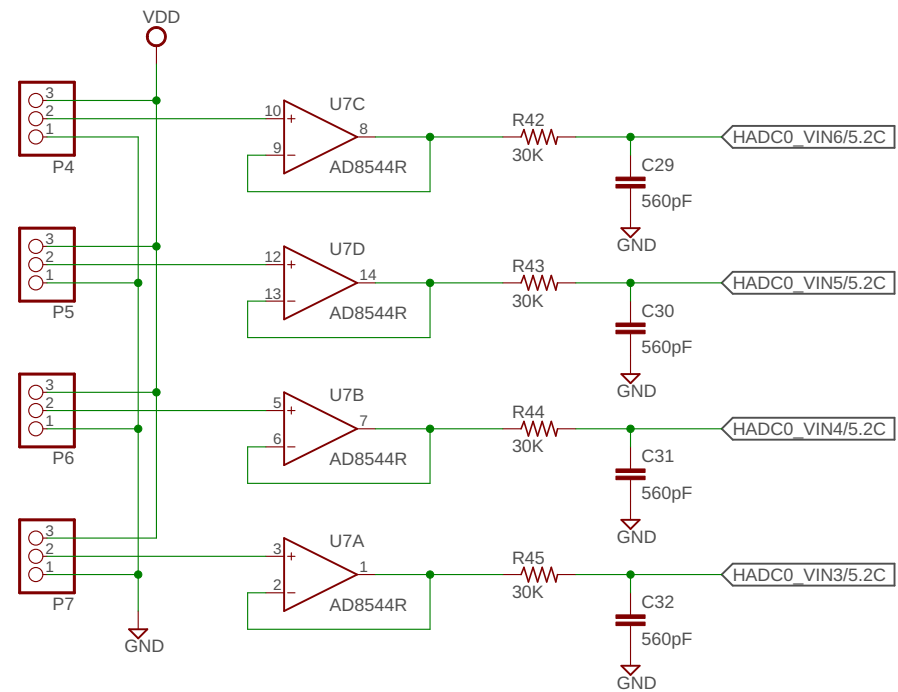


# VREF

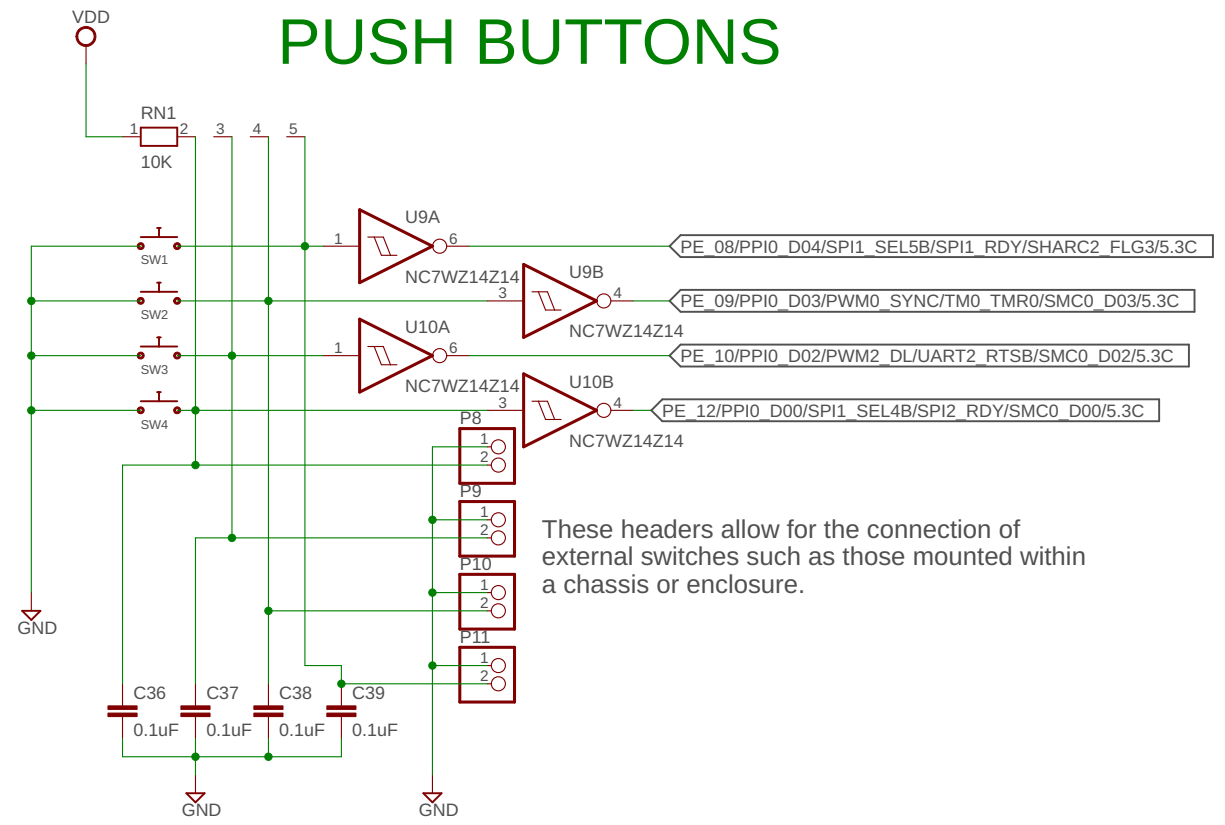


<b>Audio Interface</b>	
TITLE: ADI DIY Board v3.21	
Document Number:	REV: 3.20
Date: 5/4/18 8:47 AM	Sheet: 3/5

# HADC / ANALOG INPUTS

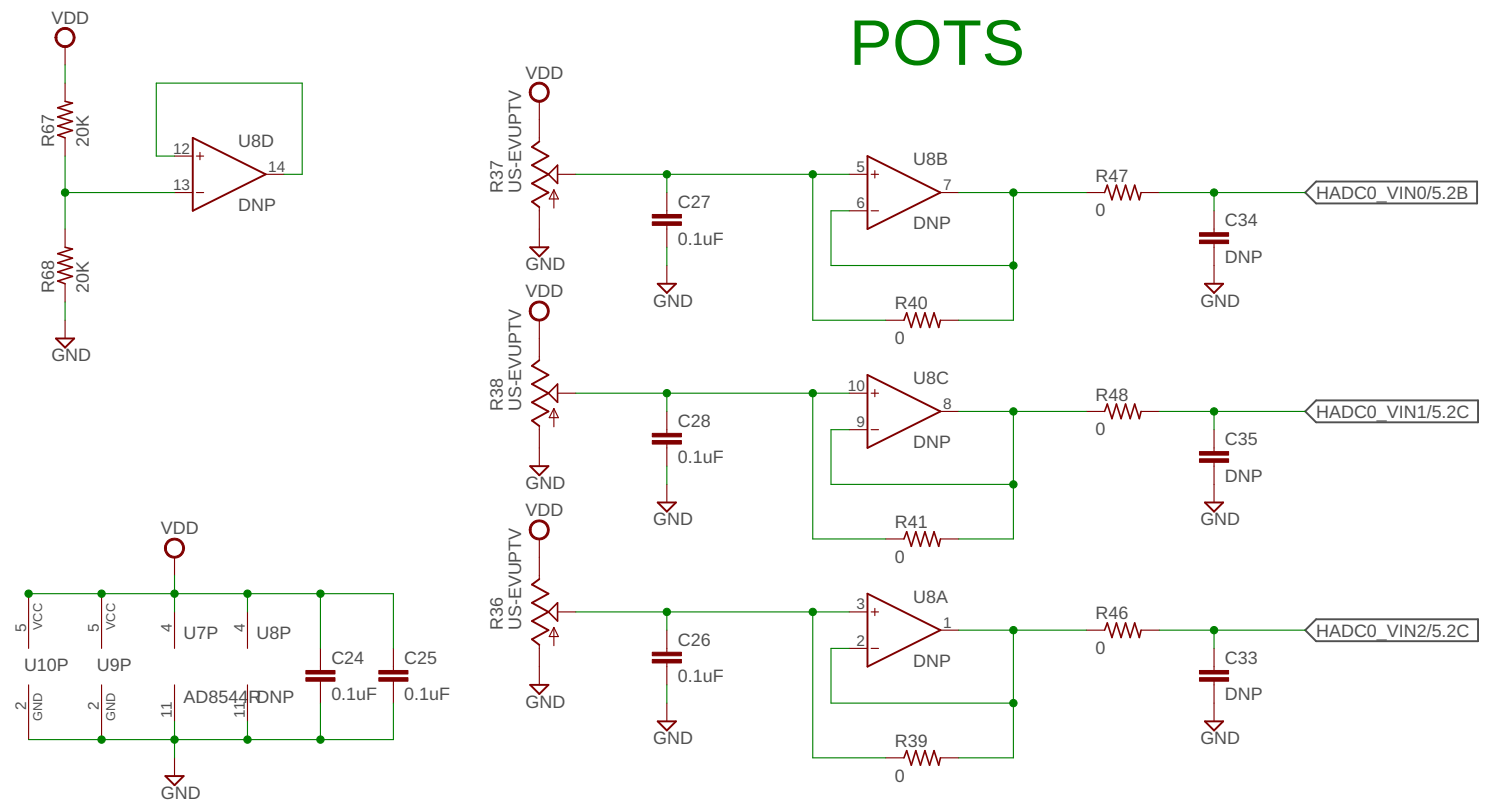


# PUSH BUTTONS

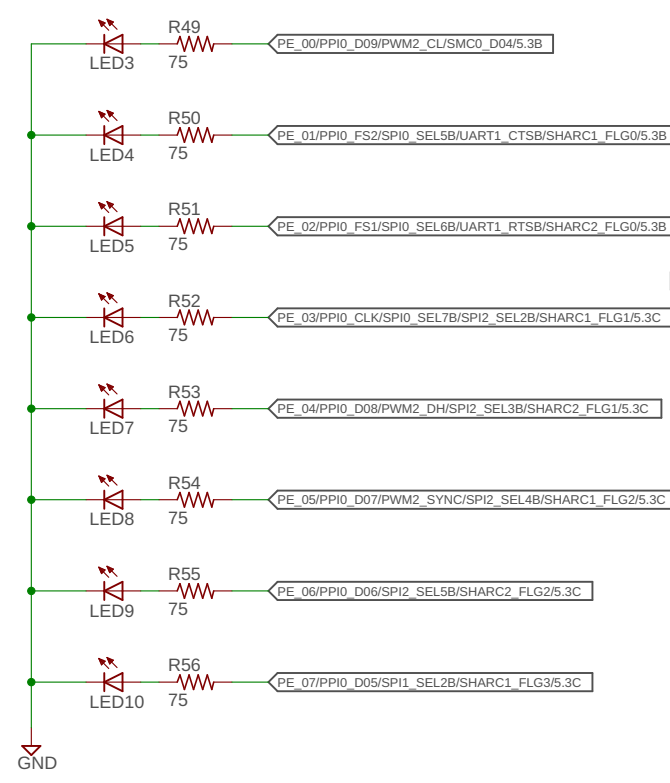


These headers allow for the connection of external switches such as those mounted within a chassis or enclosure.

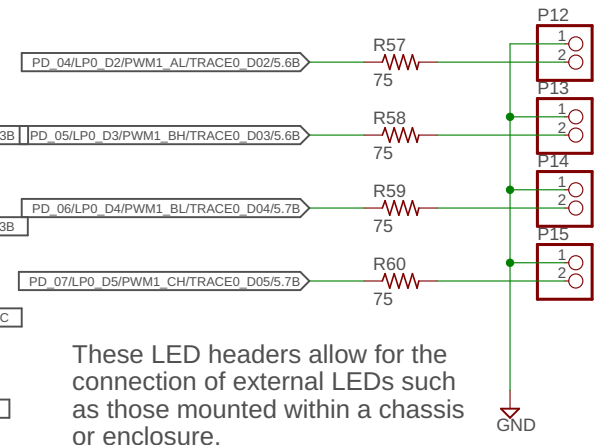
# POTS



# Board LEDs

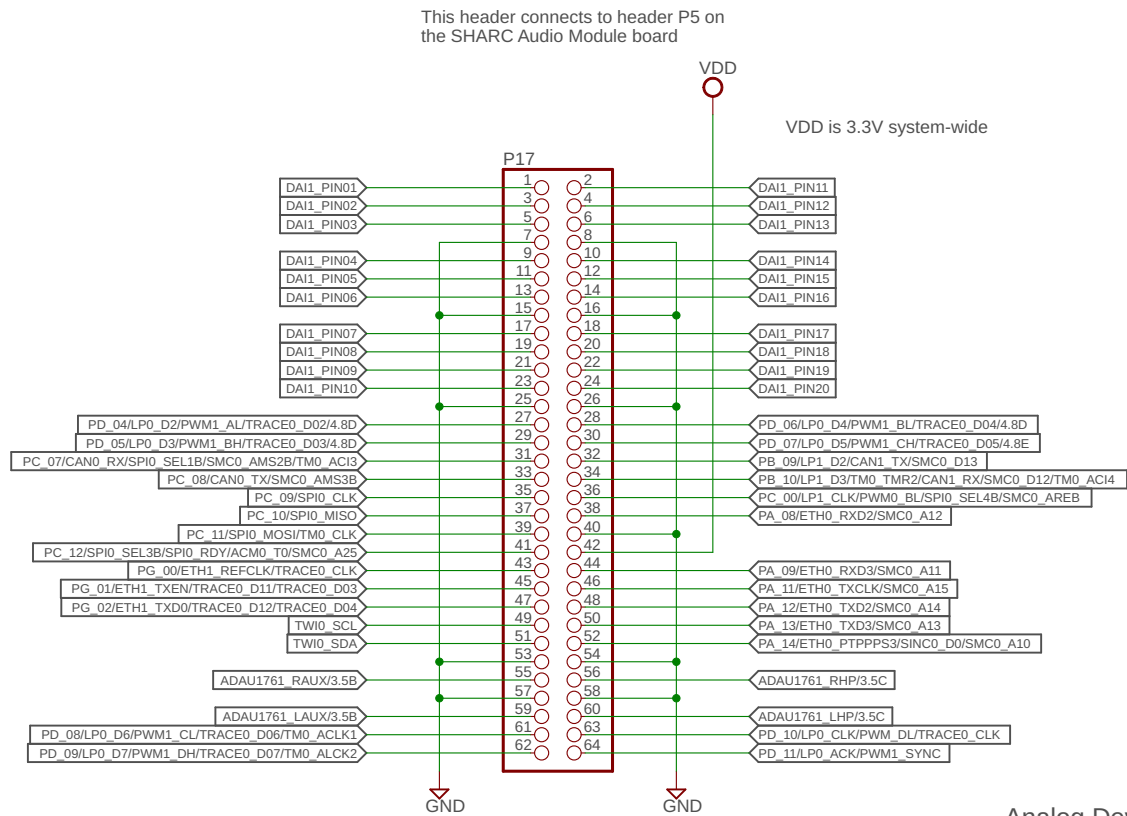
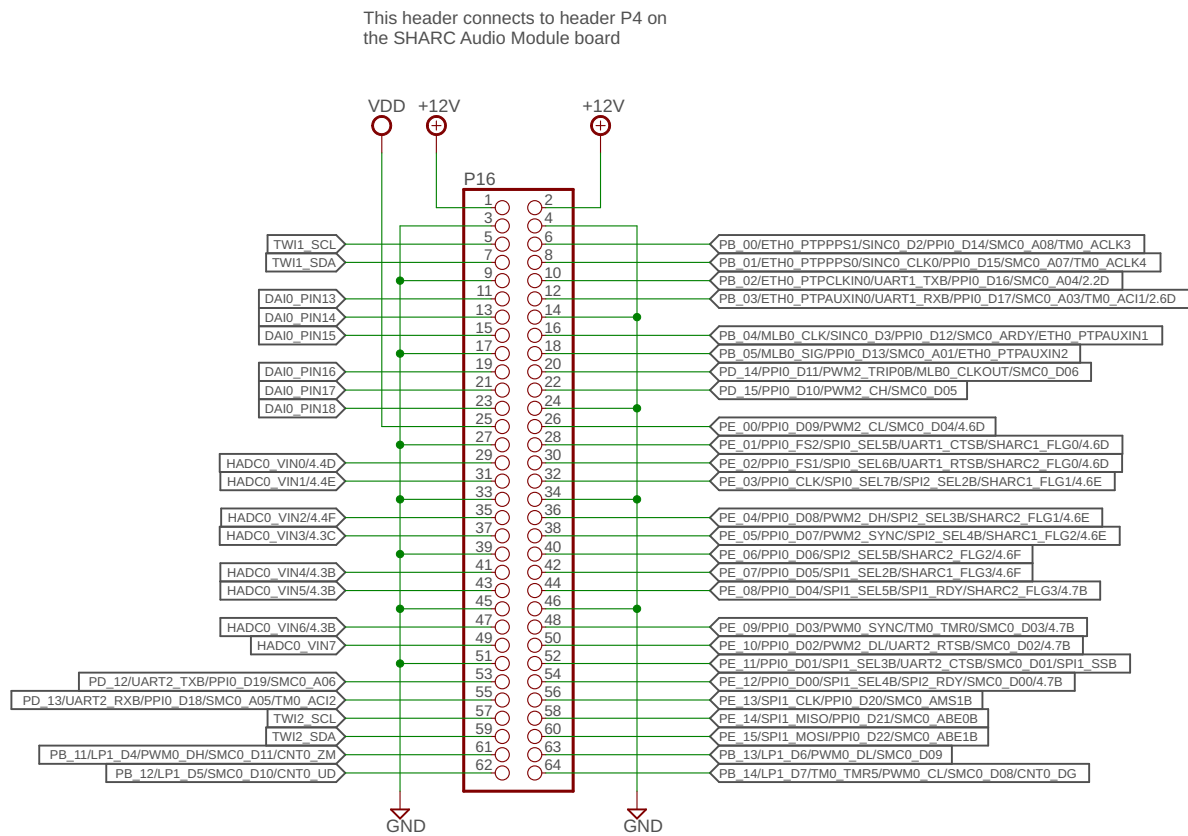


# External LEDs

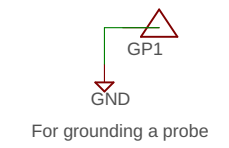
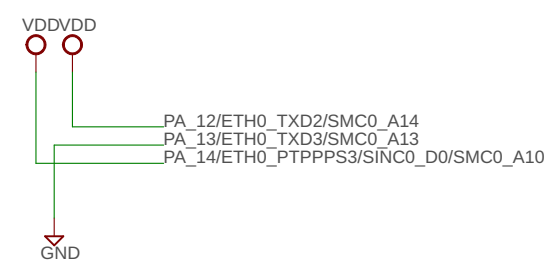


These LED headers allow for the connection of external LEDs such as those mounted within a chassis or enclosure.

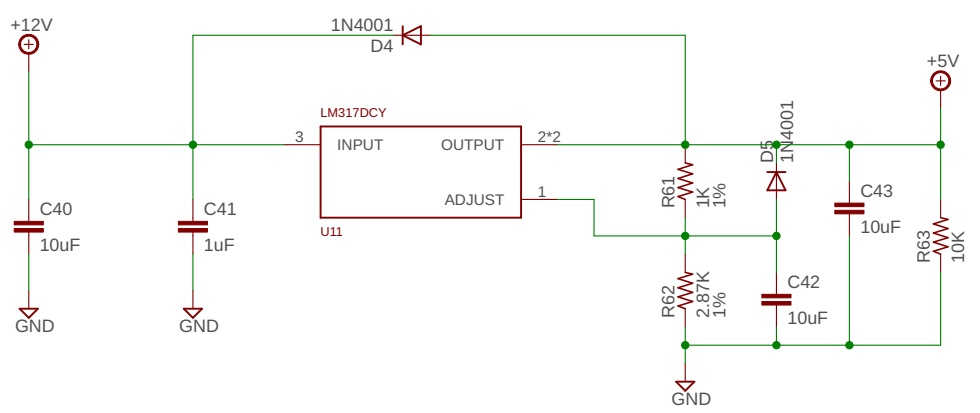
<b>Other connectors</b>	
TITLE: ADI DIY Board v3.21	
Document Number:	REV: 3.20
Date: 5/4/18 8:47 AM	Sheet: 4/5



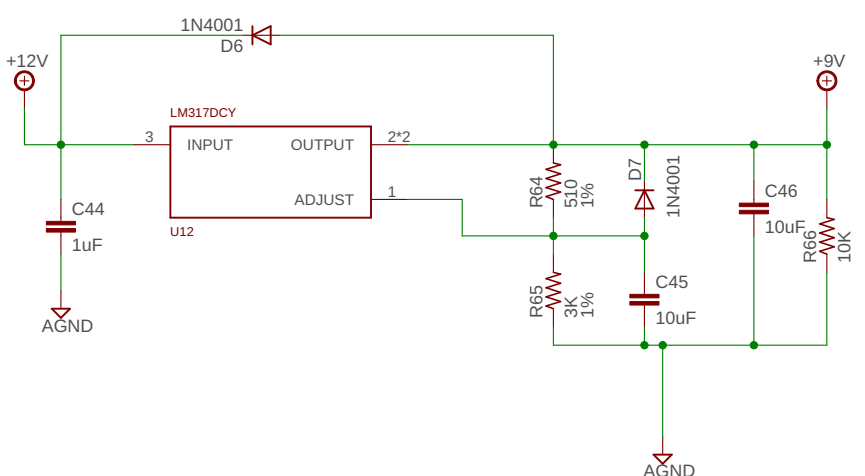
Analog Devices DIY Board ID is 1-0-1



### 5V Supply



### 9V Supply



### Fiducial Marks



<b>SAM Headers and Board Power</b>	
TITLE: ADI DIY Board v3.21	
Document Number:	REV: 3.20
Date: 5/4/18 8:47 AM	Sheet: 5/5