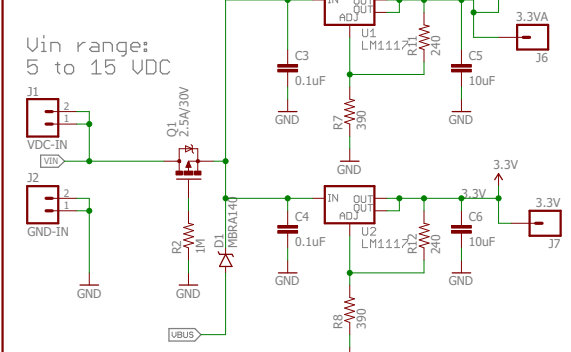
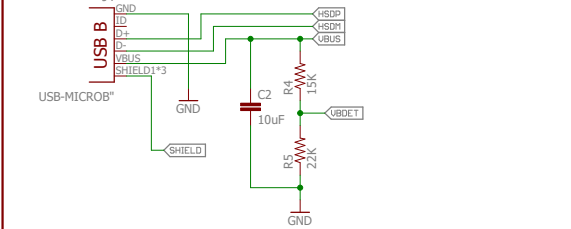


### Power Regulators



Power inputs prioritize header over USB. If 5V is present on both, current is drawn from header.

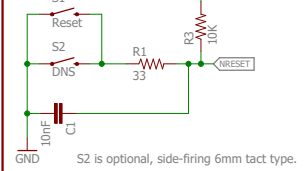
### USB Device Port



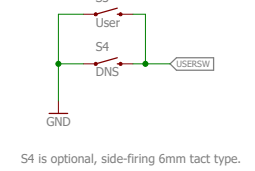
### Scope Trigger



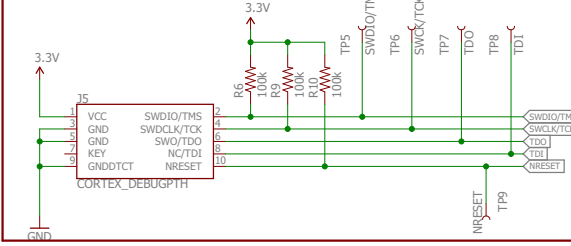
### Reset Switch



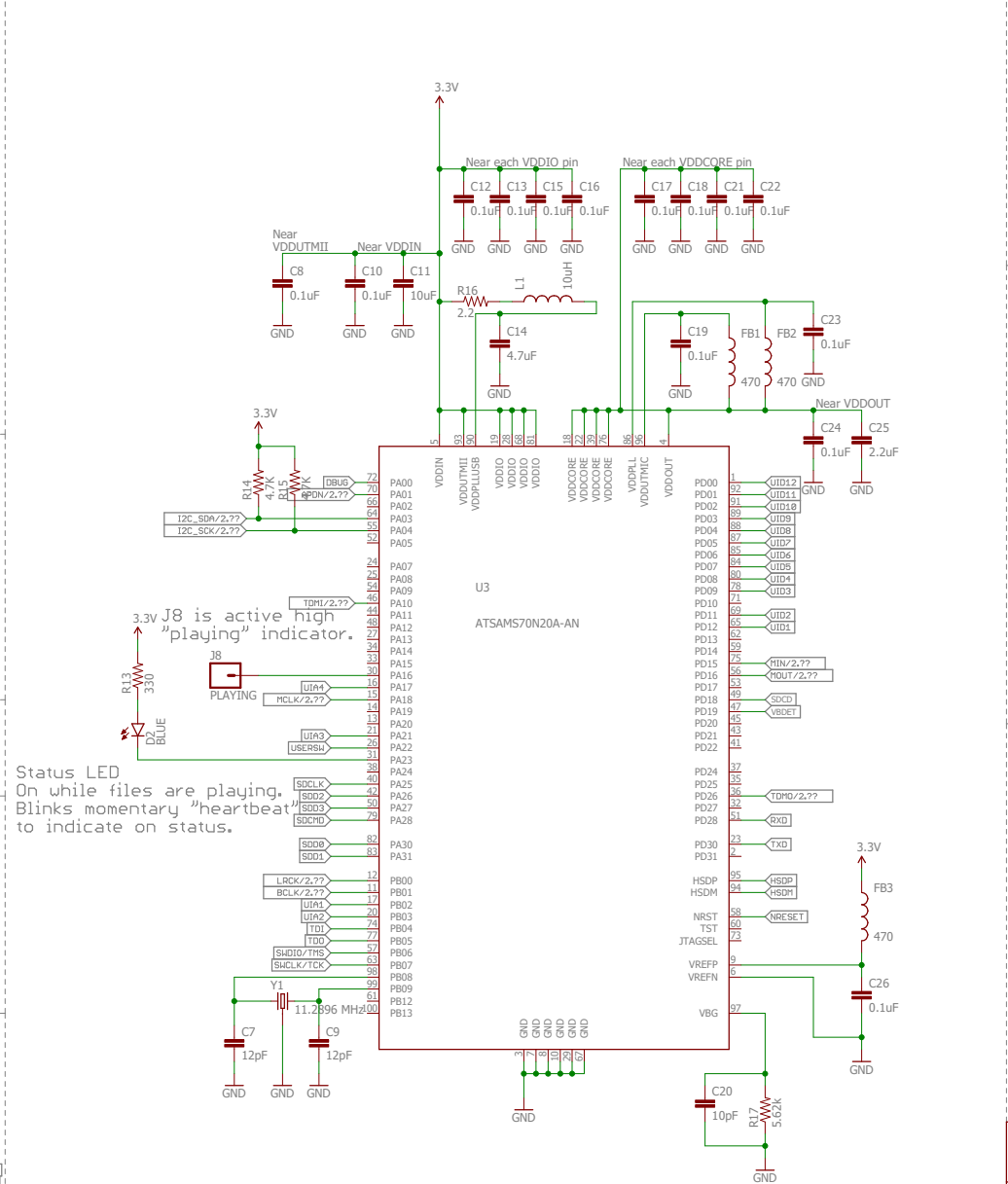
### User Switch



### Cortex Debug Port



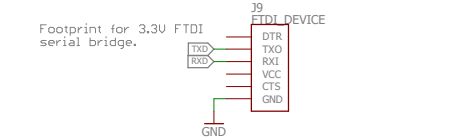
### Cortex M7 Processor



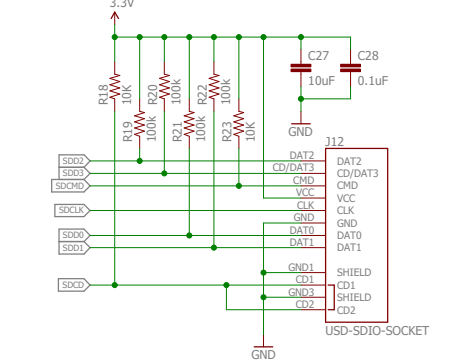
3.3V J8 is active high "playing" indicator.

Status LED  
On while files are playing.  
Blinks momentary "heartbeat" to indicate on status.

### Host Serial Port Connection

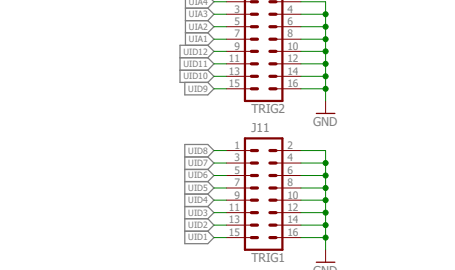


### SDIO uSD Card Slot



### User Trigger Inputs

UIA1 through UIA4  
Serve double-purpose as  
Triggers 13 to 16, or analog  
inputs 1 to 4.



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TITLE: Tsunami\_Super\_WAV\_Trigger

Design by:  
Jamie Robertson & Byron Jacquot

Date: 11/29/2016 11:02 AM

REV:  
U11

Sheet: 1/2

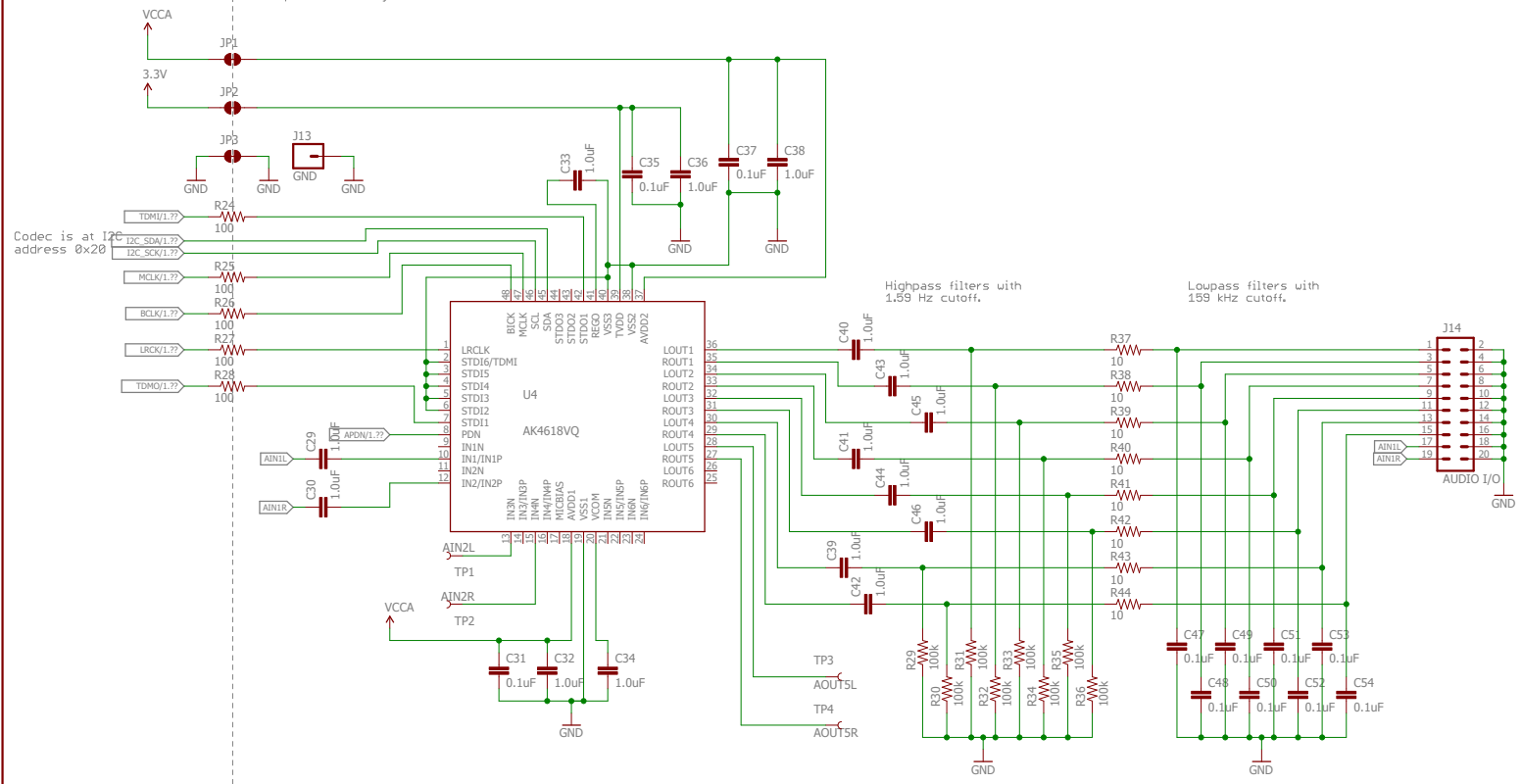
# TDM Bus

Signals from processor

# Audio Codec

Isolated analog ground plane with single connection to digital ground.

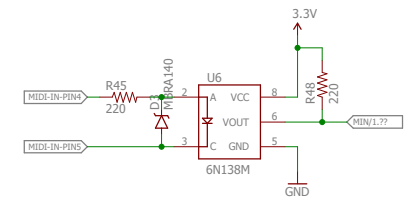
JP1, JP2, JP3 are being used to formalize the plane crossing.



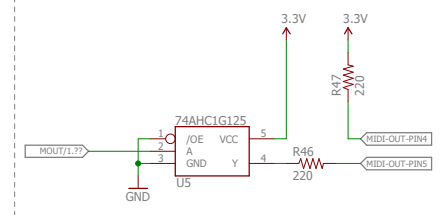
Highpass filters with 1.59 Hz cutoff.

Lowpass filters with 159 kHz cutoff.

# MIDI IN

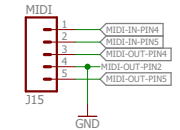


# MIDI OUT



# MIDI CONNECTOR

MIDI signals can be wired to standard 5-pin DIN connectors. Not all 5 pins are connected. Connect the pads below to the pins indicated.



MIDI inputs are not grounded. MIDI outputs are, with the shield of the cable tied to Pin 2 of the DIN.

DIN-5 connectors have an odd pin-ordering -- pin 2 is between 4 and 5, as reflected in the connector above.