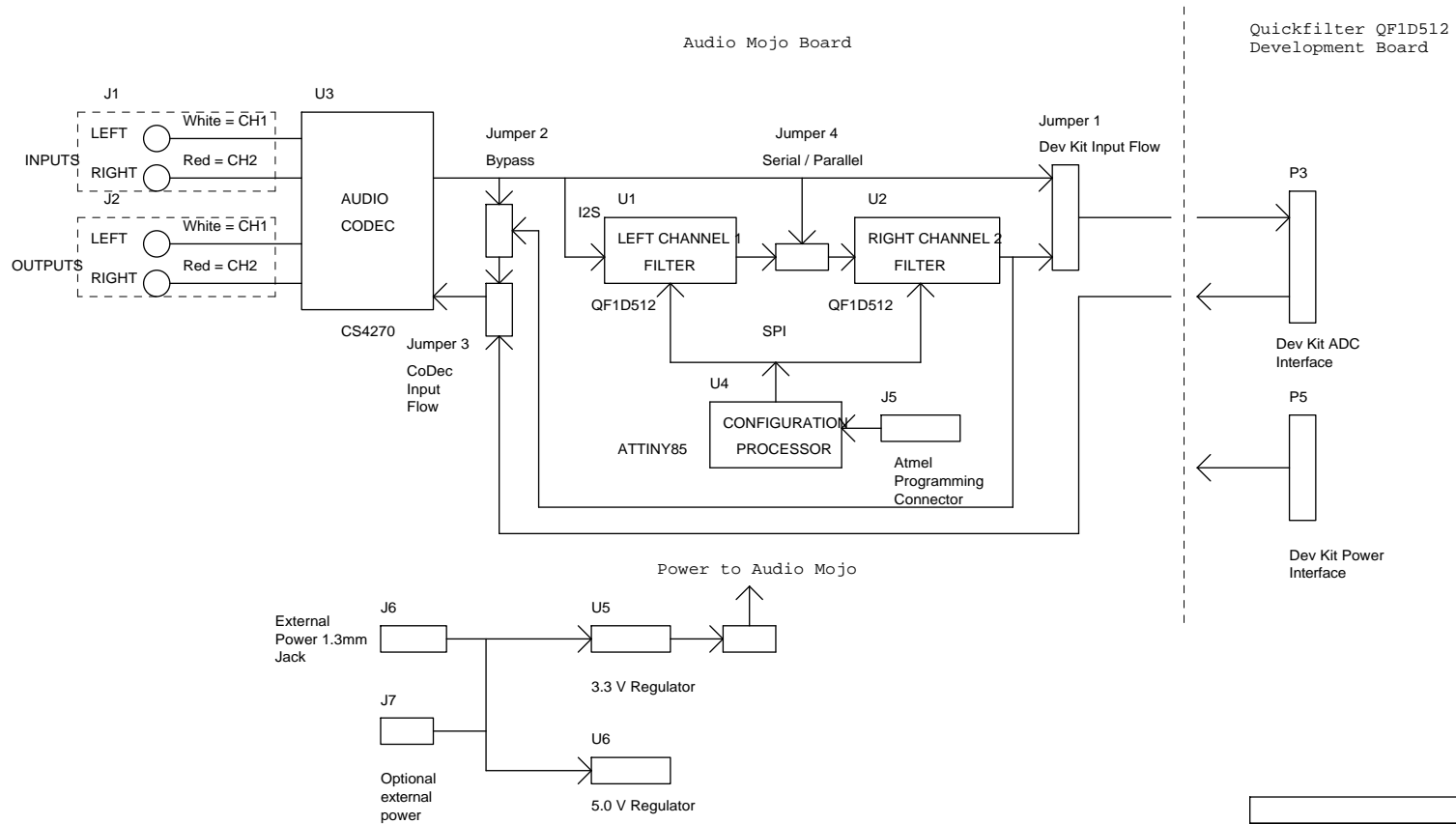


Audio Mojo Board

Block Diagram



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Block Diagram		
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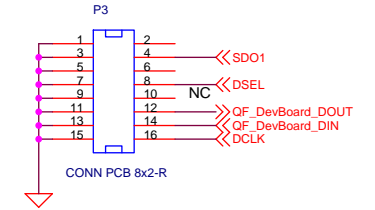
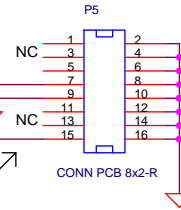
Audio Mojo

Board Interfaces

Development Board Connectors

Conf lets QF1D512 dev board know Audio Mojo board is present

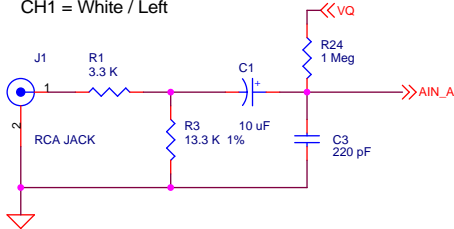
Trigger connected to Aux BNC



R3= 13.3K designed for 1Vrms input = 2.82 Vpp
 * R3 can be replaced with a 2.2K resistor for 2Vrms

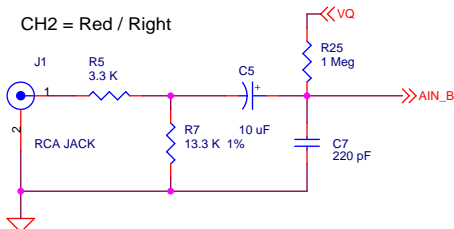
Input Channels

CH1 = White / Left



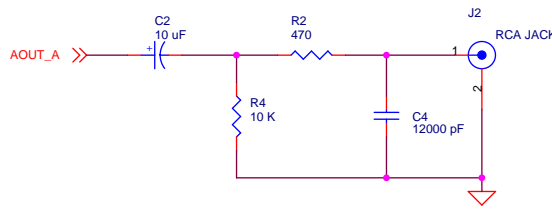
Kobi-Conn PN 161-4220-E

CH2 = Red / Right

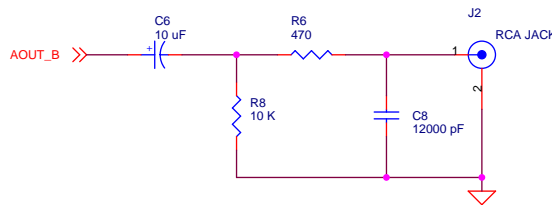


Output Channels

CH1 = White / Left

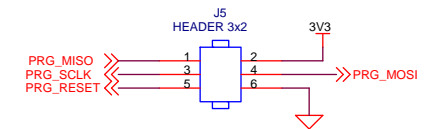


CH2 = Red / Right



Connections in perspective of the Audio Mojo Board

ATTiny Programming Header

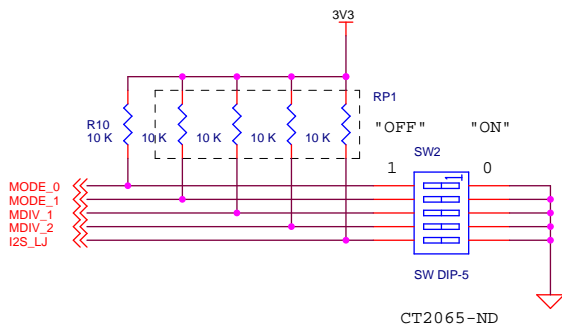
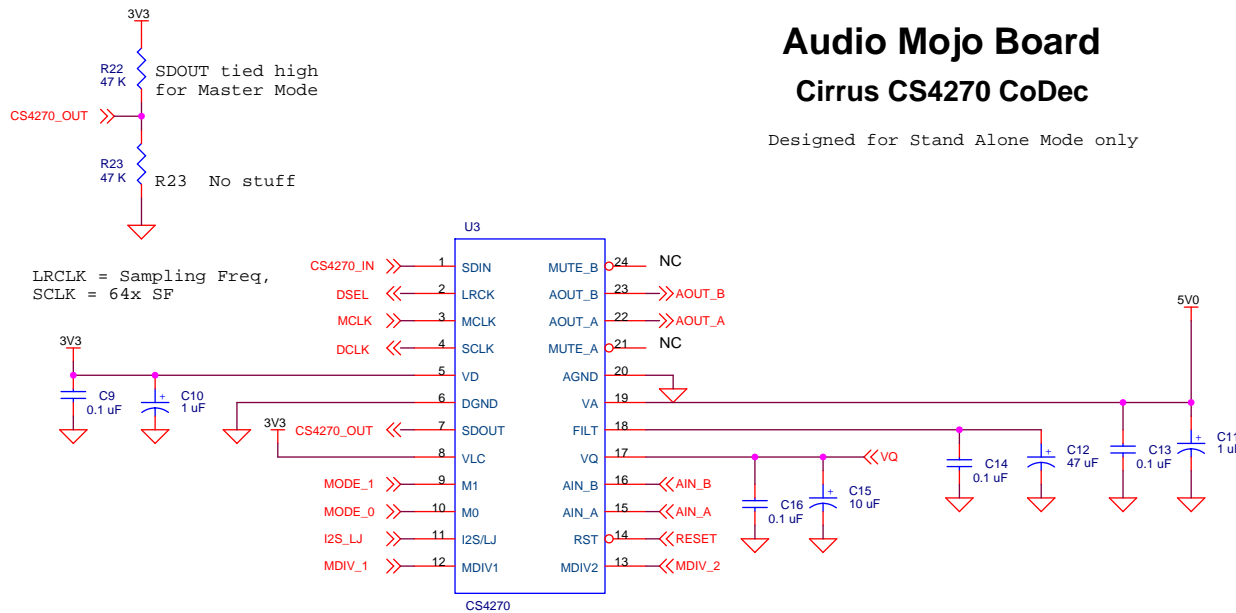


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Board Interfaces		
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Audio Mojo Board

Cirrus CS4270 CoDec

Designed for Stand Alone Mode only



Switches 1 & 2, Mode 0, Model

*00 = Single-Speed
01 = Double-Speed
10 = Single, 44.1kHz
11 = Quad Speed

Switches 3 & 4, MCLK Divider

Switch 1 2 3 4

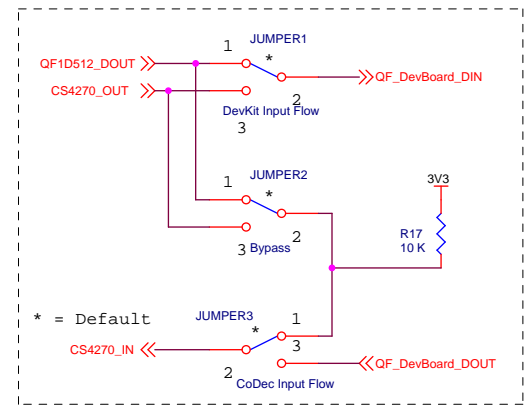
* 0 0 0 0 = 48 kHz
1 0 0 0 = 44.1 kHz
0 1 0 0 = 96 kHz
1 1 0 0 = 192 kHz

Switch 5, I2S or Left Justify

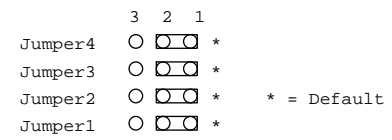
0 = Left Justified
*1 = I2S digital format

Read Cirrus Logic data sheet for CS4270 for additional modes

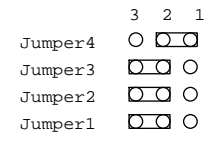
* = Shipped Default



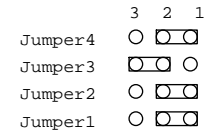
QF1D512's running on Audio Mojo board



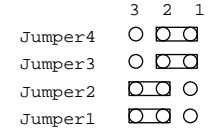
QF1D512's running on Dev Board



QF1D512's running on Audio Mojo and Dev Board

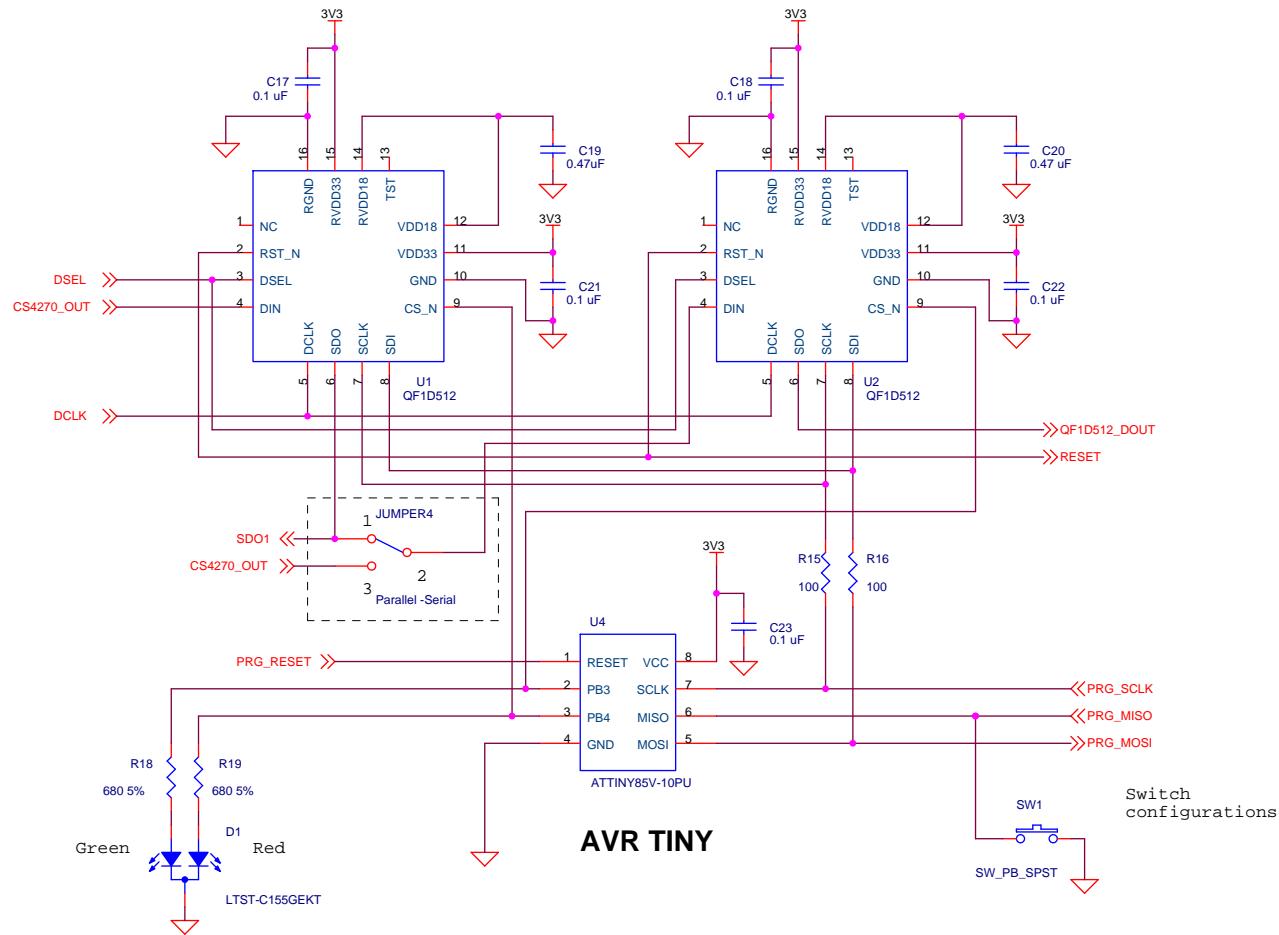


CoDEC in Loop back mode, Monitor no filtering



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SavFIRe QF1D512 Filters and Atmel Loader Processor

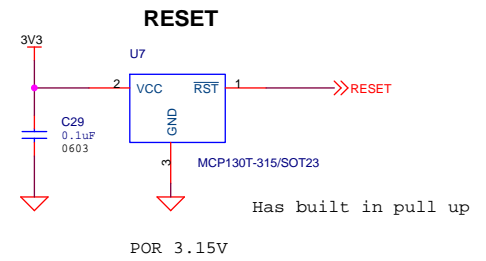


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QF1D512 & ATTINY85		
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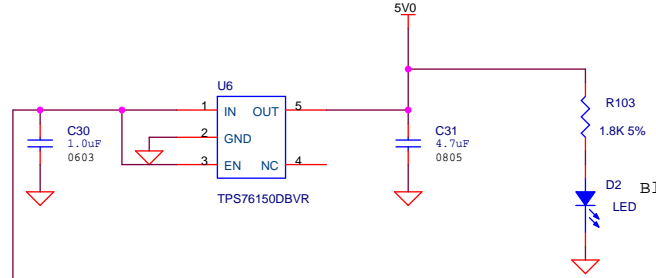
Audio Mojo Board

Power / Oscillator / Reset

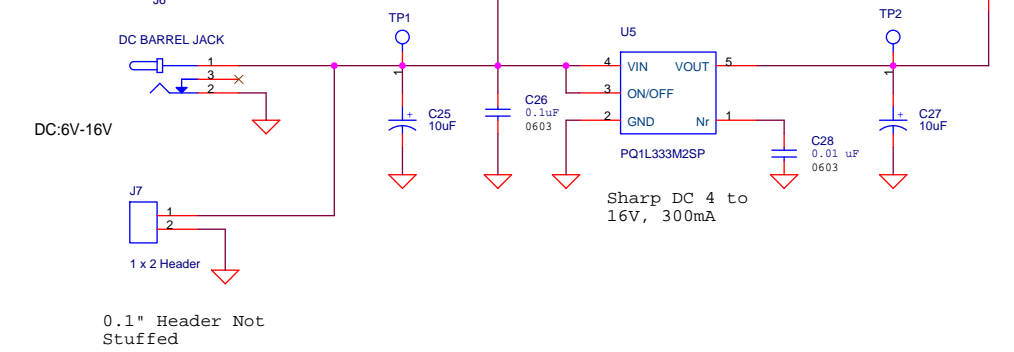
Designed for Stand Alone Mode only



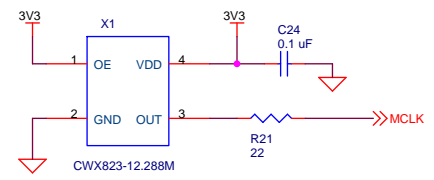
5.0V REGULATOR



3.3V REGULATOR



MCLK Oscillator



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Power - Audio Mojo		
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