

EDISON

EDISON.sch

POWER

POWER.sch

LIGHT_CONN

LIGHT_CONN.sch

DAC

DAC.sch

AUDIO_ICS

AUDIO_ICS.sch

LEVEL_SHIFTER

LEVEL_SHIFTER.sch

SPLIT_RAIL_REG

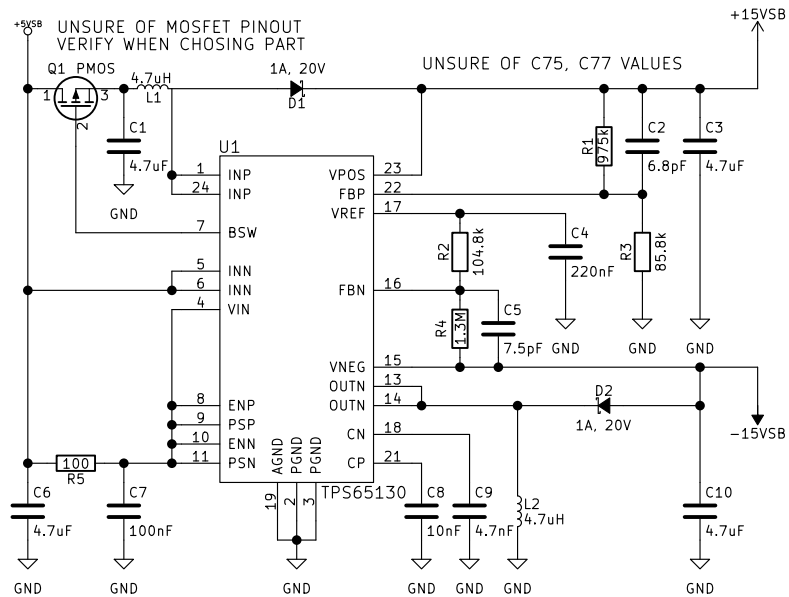
SPLIT_RAIL_REG.sch

Created by: Jason Merlo
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KiCad E.D.A.	kicad 4.0.4—stable	Id: 1/10



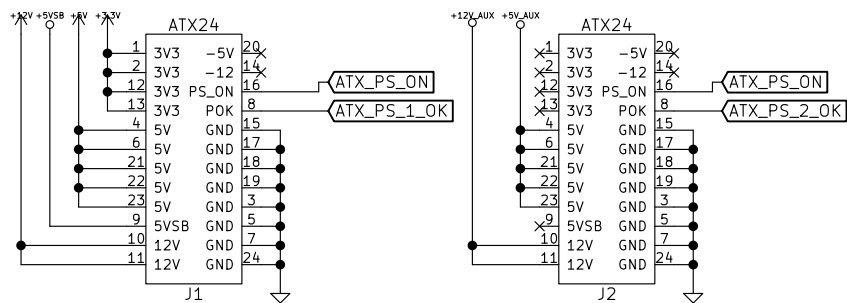
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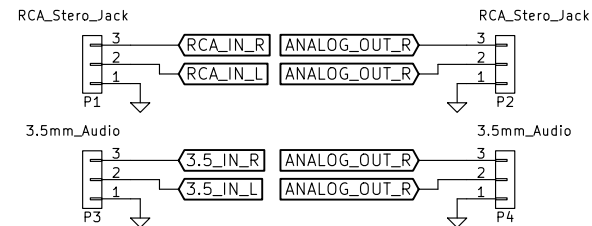
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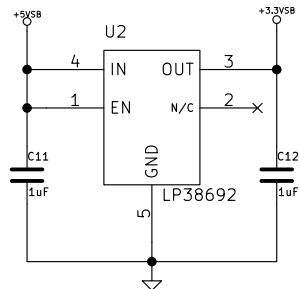
ATX Power Connectors



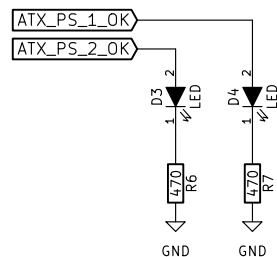
Analog Audio Connections



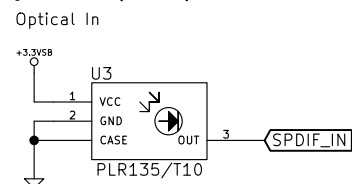
5VSB->3.3VSB LDO



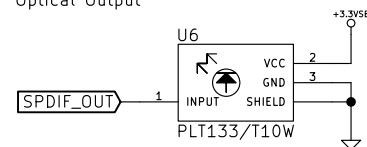
ATX Power Indicators



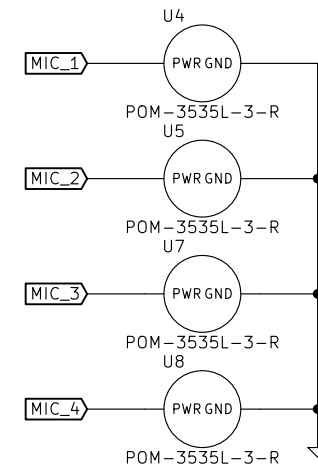
Digital Audio (S/PDIF) Connections



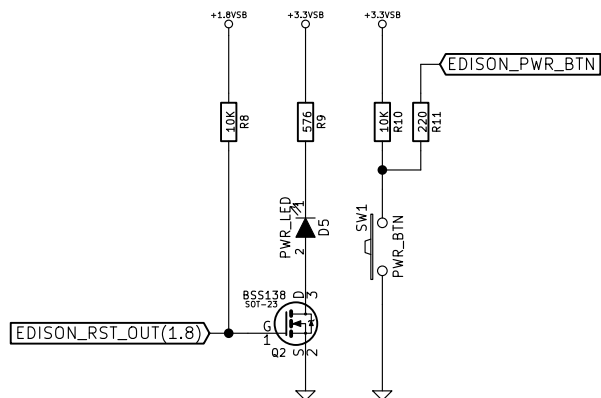
Optical Output



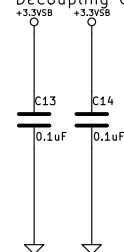
Microphones



Intel Edison Power Control



Decoupling Capacitors

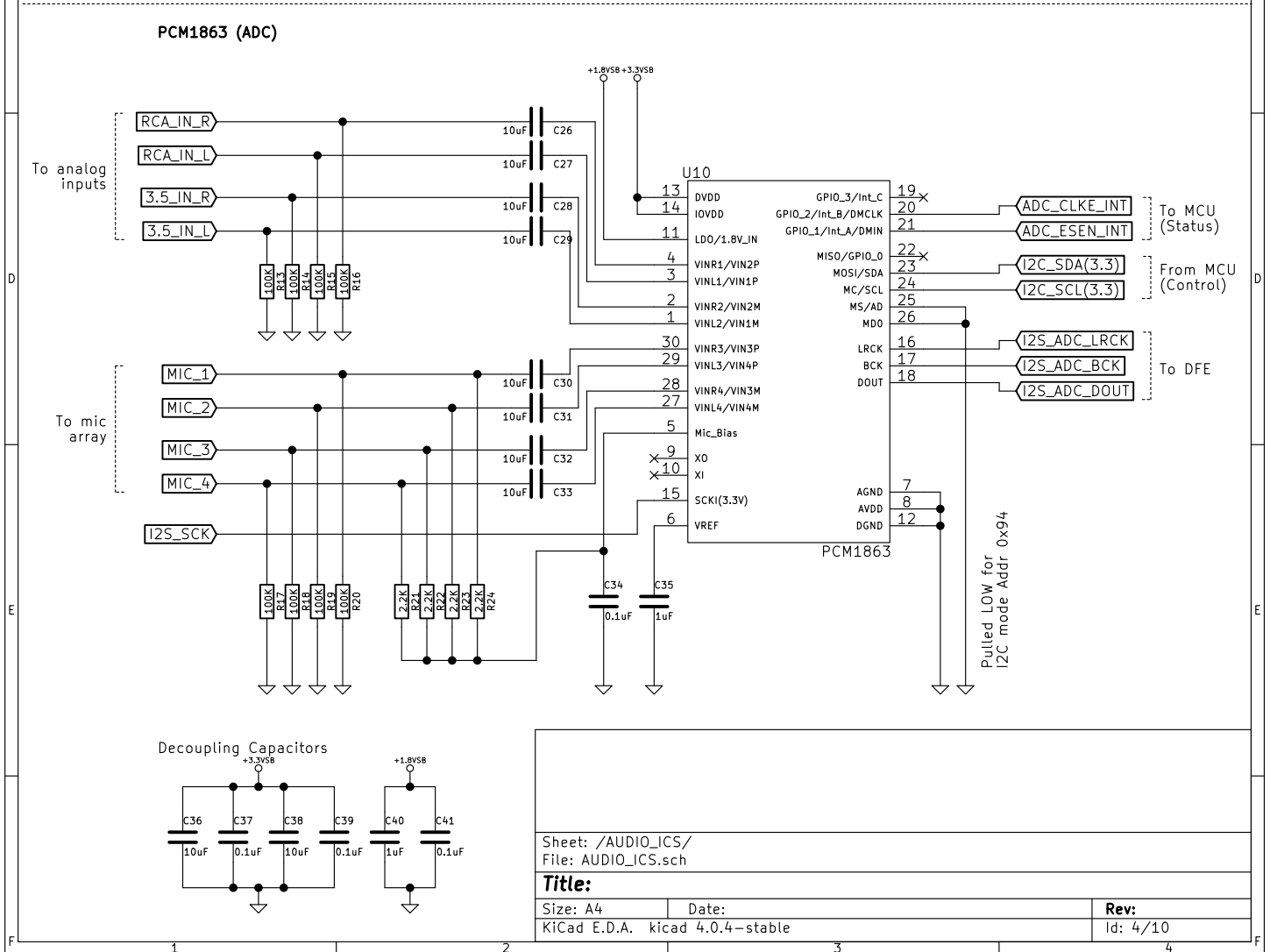
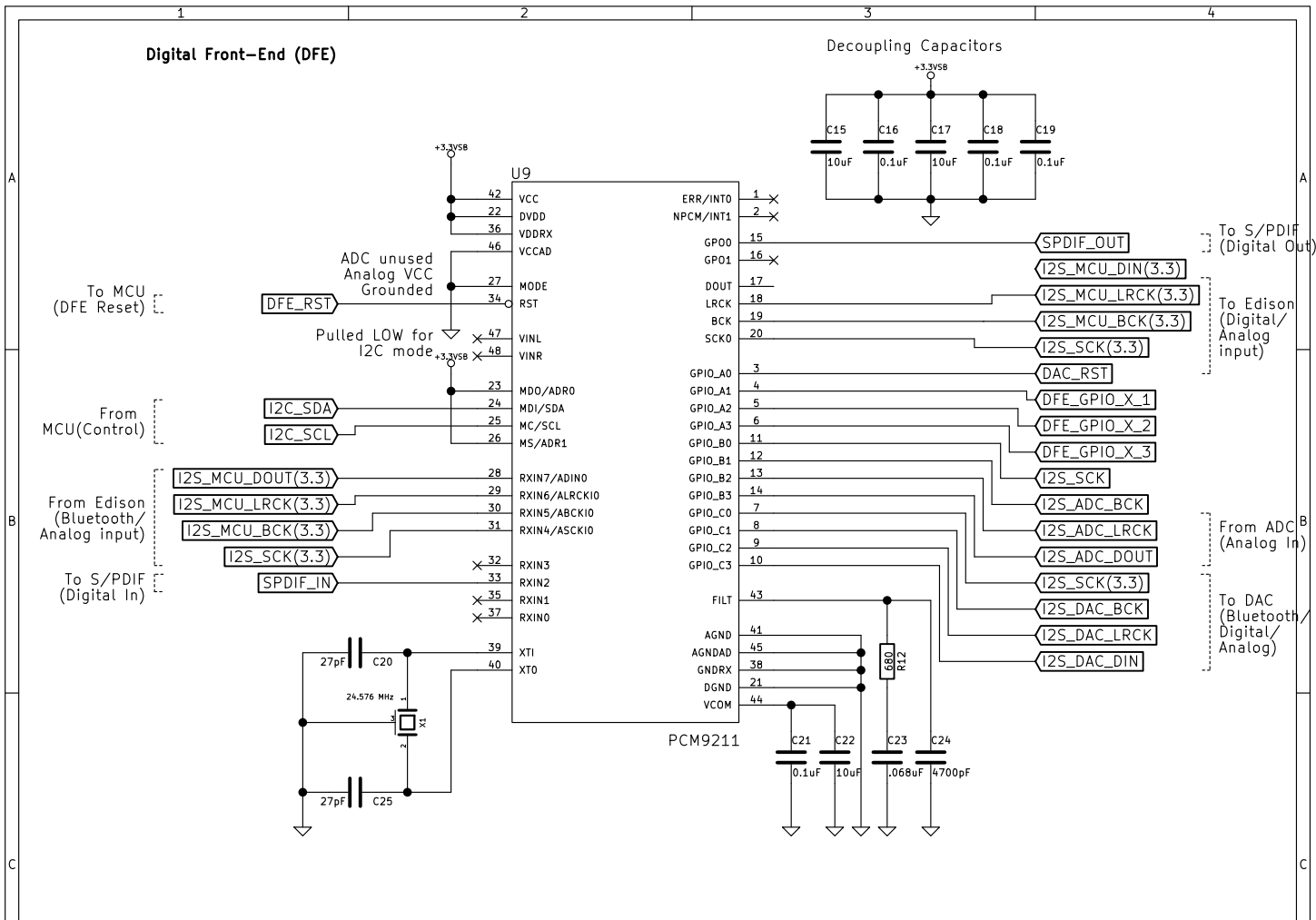


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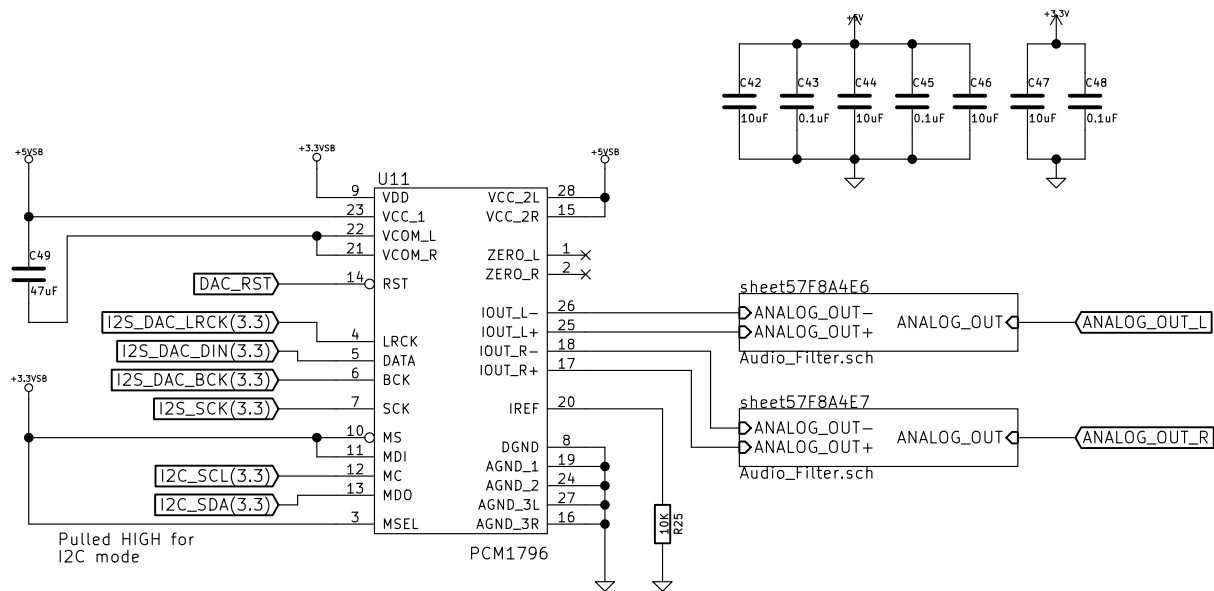
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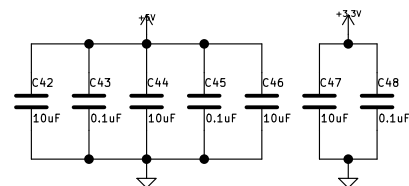
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PCM1796 DAC



Decoupling Capacitors



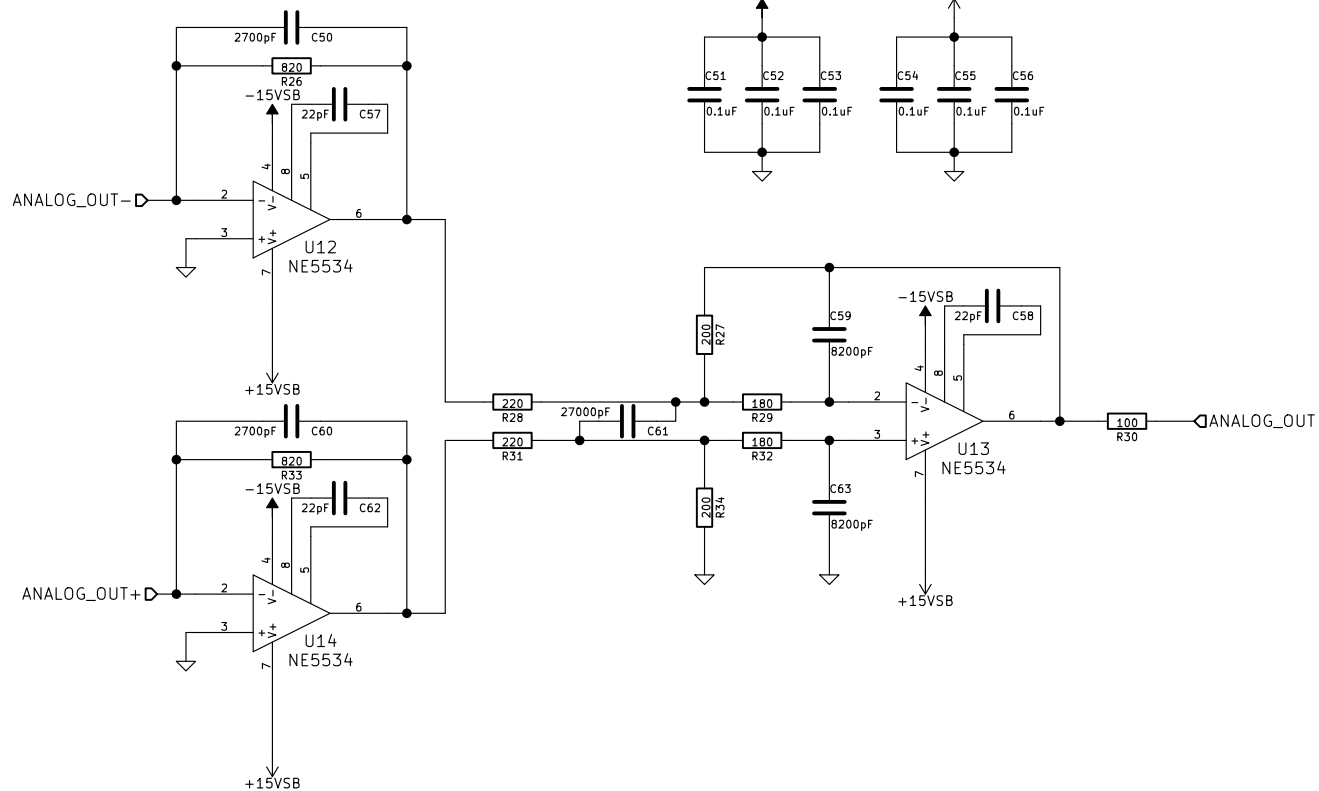
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Id: 5/10

Audio Output Filter



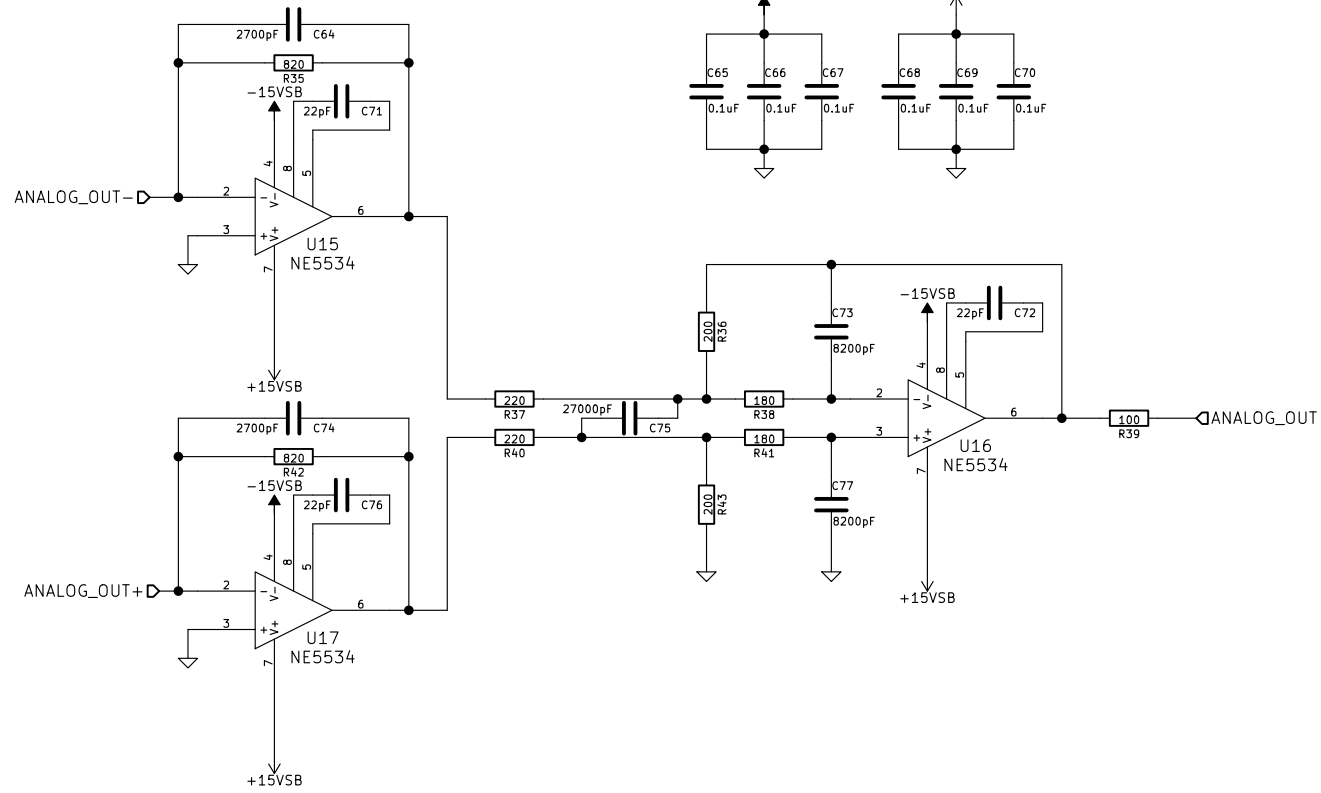
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Audio Output Filter



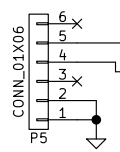
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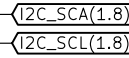
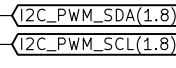
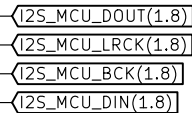
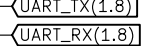
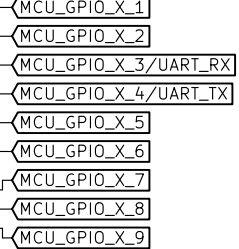
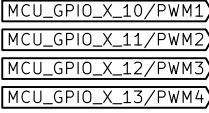
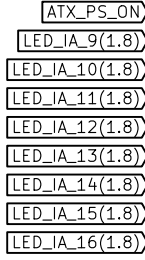
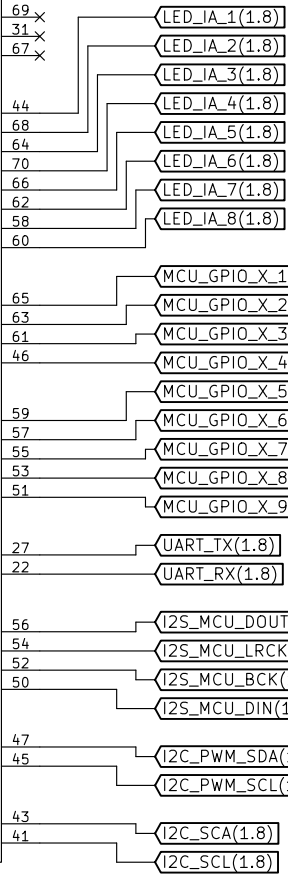
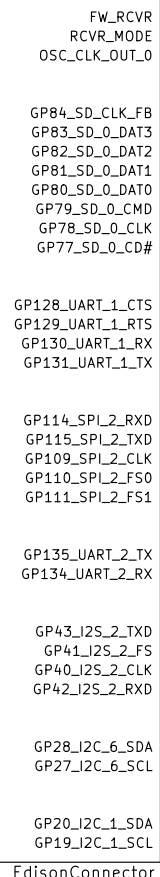
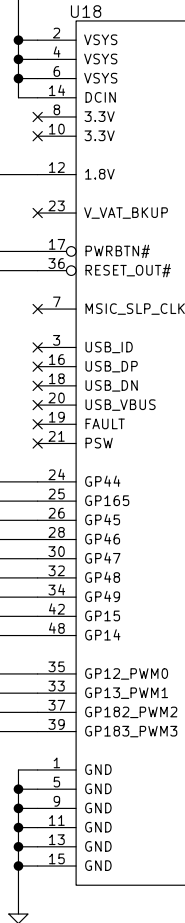
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Edison UART Interface



Intel Edison Connection

+1.8VSB +3.3VSB



To DFE
(IADC/
DAC/
SPDIF)

To LED
PWM
generator

To DFE/
ADC/
DAC

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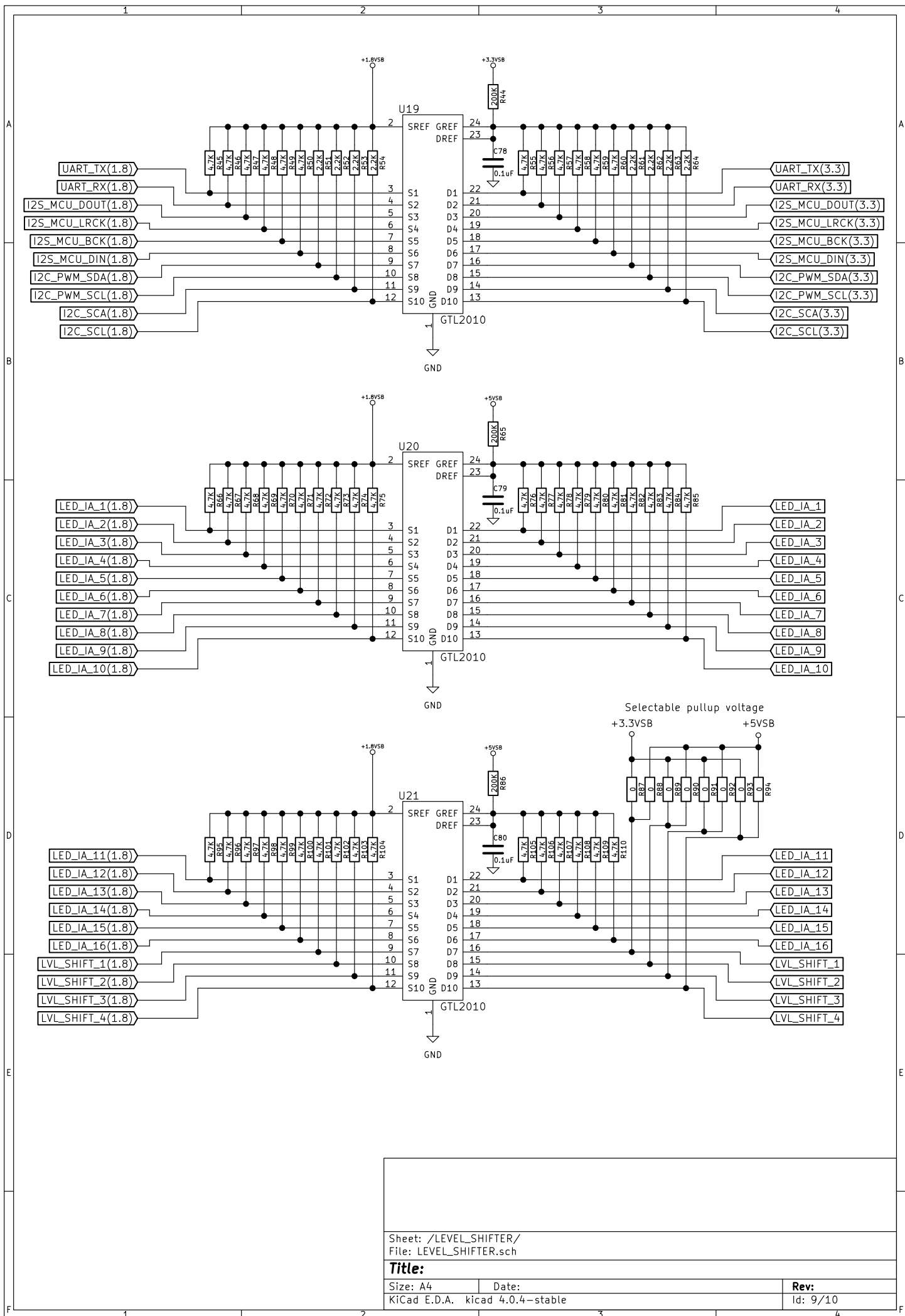
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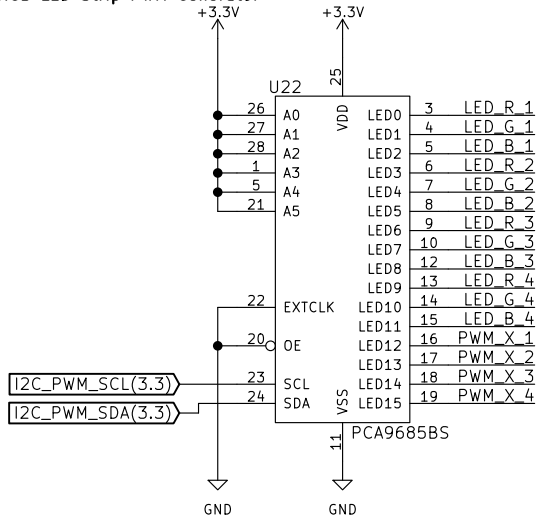
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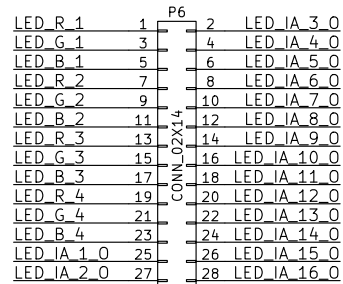
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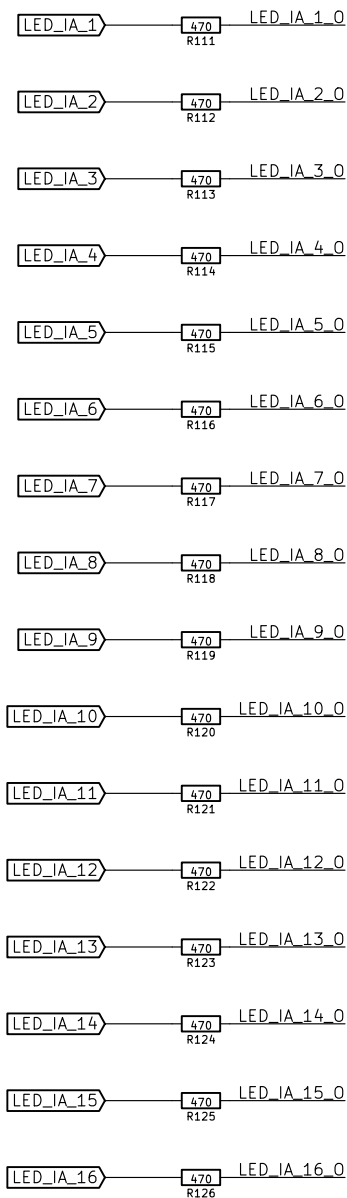
RGB LED Strip PWM Generator



LED Signal Connector

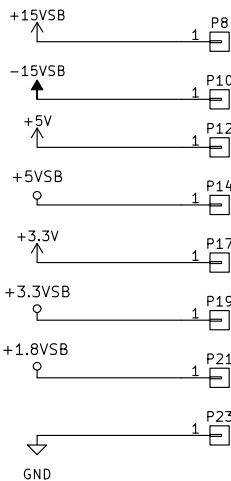


Individually Addressable RGB LED Strips



General Breakouts

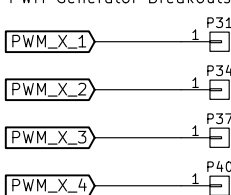
Power NOTE: How many of each?



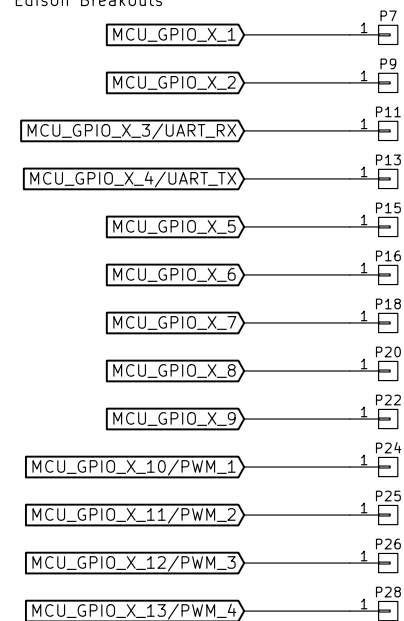
DFE Breakouts



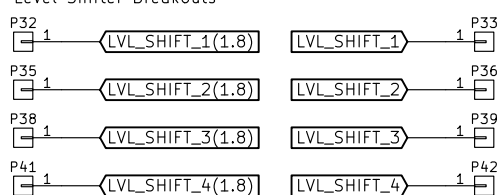
PWM Generator Breakouts



Edison Breakouts



Level Shifter Breakouts



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