

LO Guv'nor: Si5351 Control

Super simple interface to standard Si5351 modules, for ease of integration on workbench.
Rotary encoder and switches, for that tactile experience.
LEDs and an OLED screen for quick view of what's going on.

User Inputs

Rotary_Encoder

ROT_ENC_AD
ROT_ENC_BD
ROT_SW

File: rotaryencoder.kicad_sch

Channel Select

SW_OUTD

File: debouncedsw.kicad_sch

CH Enable

SW_OUTD

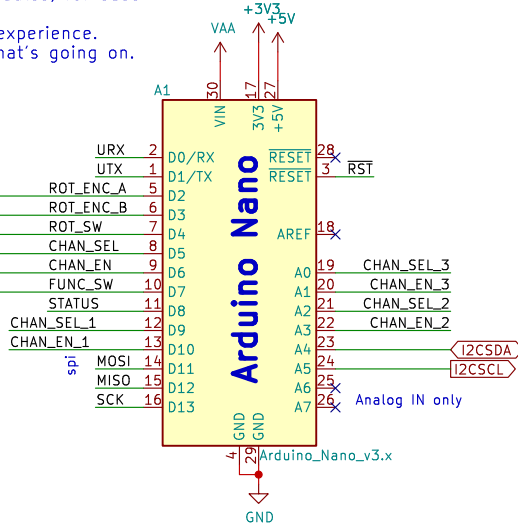
File: debouncedsw.kicad_sch

Function SW

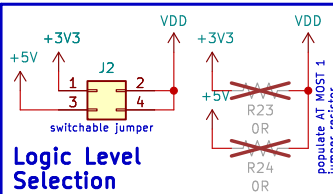
SW_OUTD

File: debouncedsw.kicad_sch

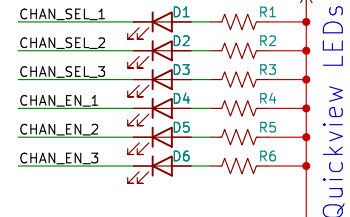
MOM switches



Logic Level Selection

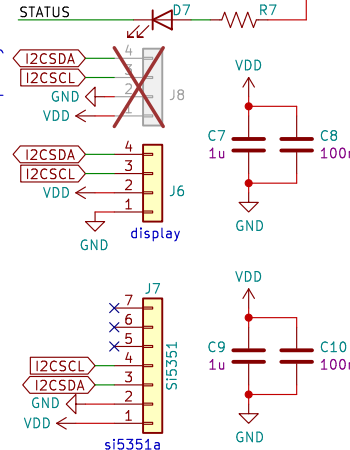


Outputs



OLED Display

Si5351



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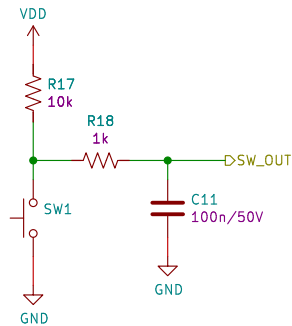
Sheet: /
File: LOGuvnor.kicad_sch

Title: LO Guv'nor: Si5351 control module

Size: User Date: 2023–12–08
KiCad E.D.A. kicad 7.0.9–7.0.9-ubuntu22.04.1

Rev: 1.2
Id: 1/5

Simple Debounced MOM Switch



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Sheet: /Channel Select/

File: debouncedsw.kicad_sch

Title: Simple Debounced MOM Switch

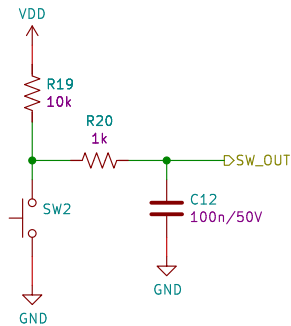
Size: User Date: 2023-12-08

KiCad E.D.A. kicad 7.0.9-7.0.9-ubuntu22.04.1

Rev: 1.0

Id: 2/5

Simple Debounced MOM Switch



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Sheet: /CH Enable/

File: debouncedsw.kicad_sch

Title: Simple Debounced MOM Switch

Size: User

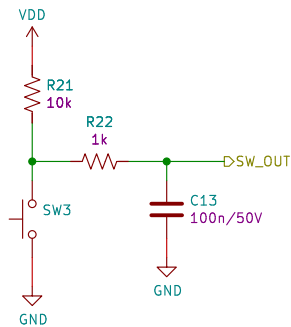
Date: 2023-12-08

Rev: 1.0

KiCad E.D.A. kicad 7.0.9-7.0.9-ubuntu22.04.1

Id: 3/5

Simple Debounced MOM Switch



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Sheet: /Function SW/

File: debouncedsw.kicad_sch

Title: Simple Debounced MOM Switch

Size: User

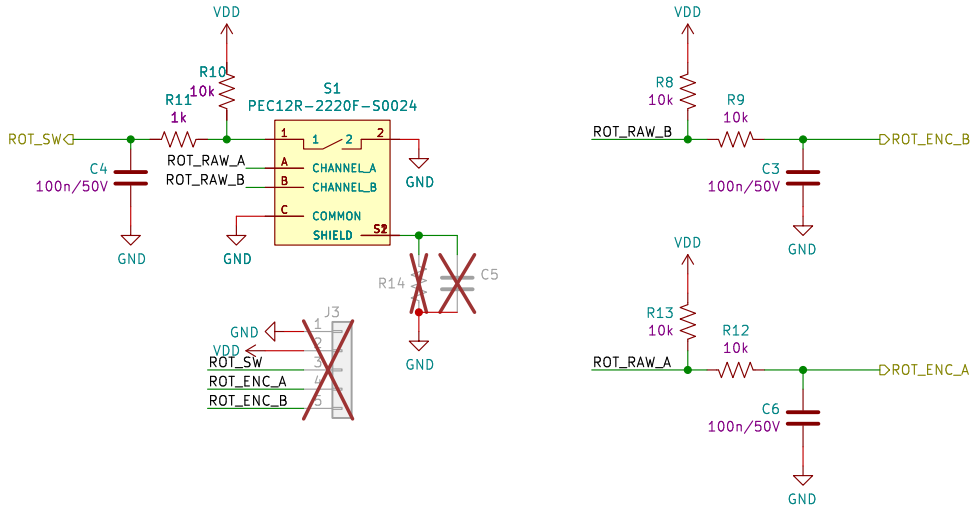
Date: 2023-12-08

Rev: 1.0

KiCad E.D.A. kicad 7.0.9-7.0.9-ubuntu22.04.1

Id: 4/5

Rotary Encoder: Massage & Debounce



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Sheet: /Rotary_Encoder/

File: rotaryencoder.kicad_sch

Title: Rotary Encoder: Massage & Debounce

Size: User

Date: 2023-12-08

Rev: 1.1

KiCad E.D.A. kicad 7.0.9-7.0.9-ubuntu22.04.1

Id: 5/5