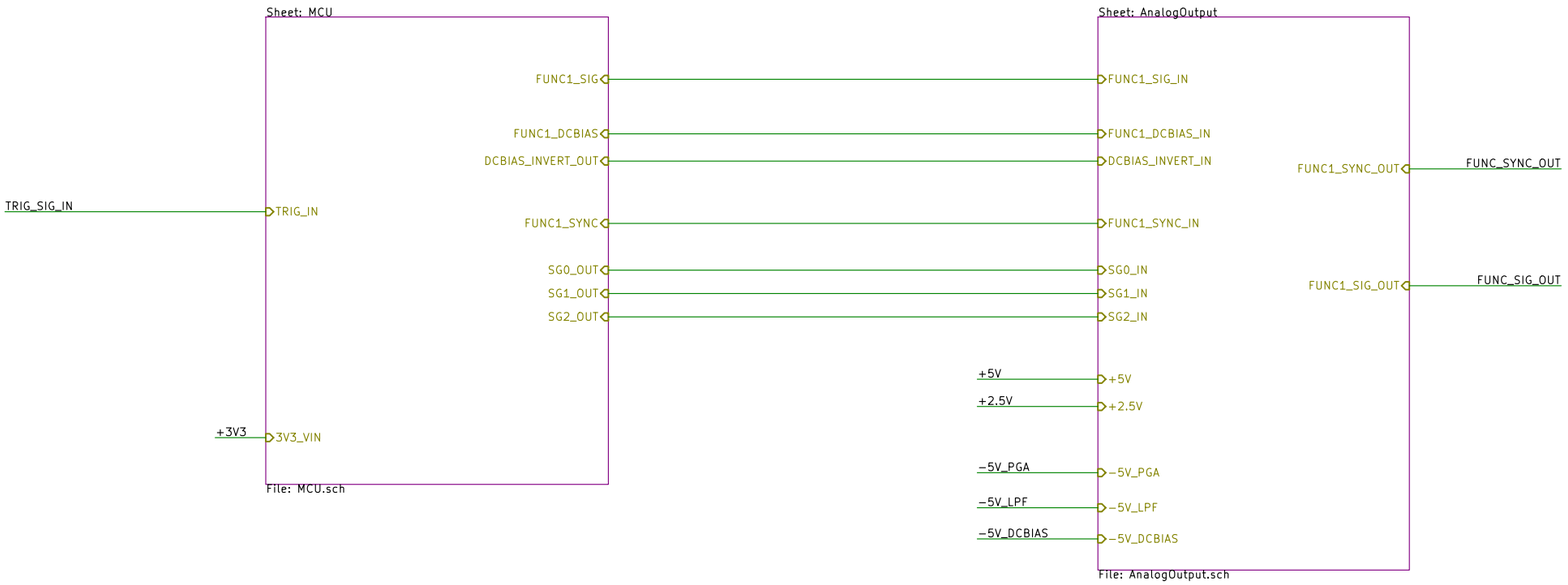


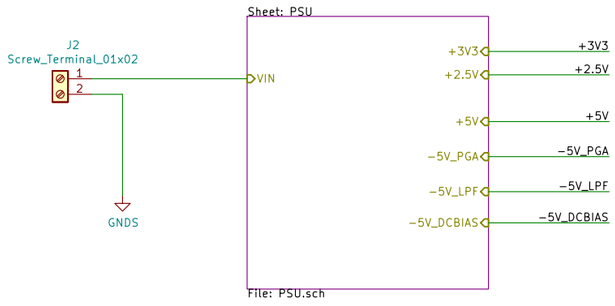


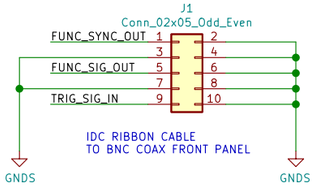


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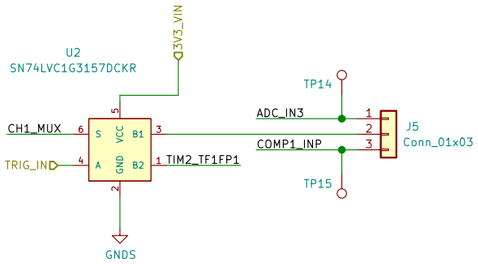
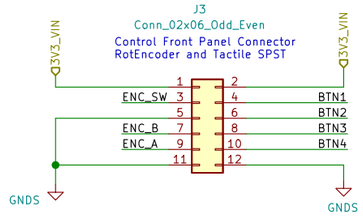
| Sheet: / | | |
| File: FunctionGeneratorCortexM4.sch | | |
| **Title: Function Generator Top Level** | | |
| Size: A3 | Date: 2020−03−04 | **Rev: A** |
| KiCad E.D.A. kicad (5.1.5−0−10_14) | | Id: 1/4 |



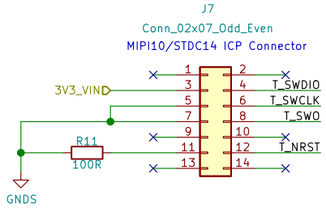


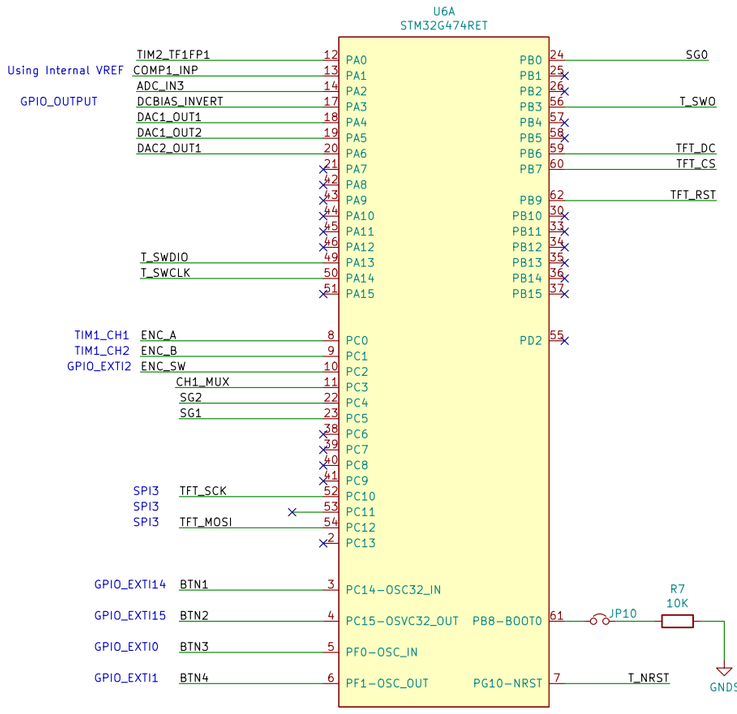


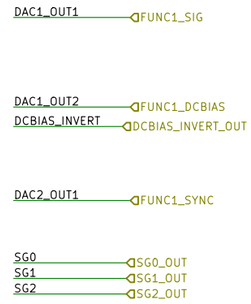


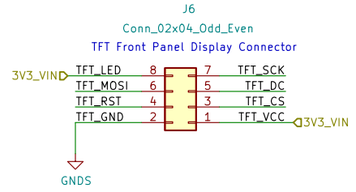






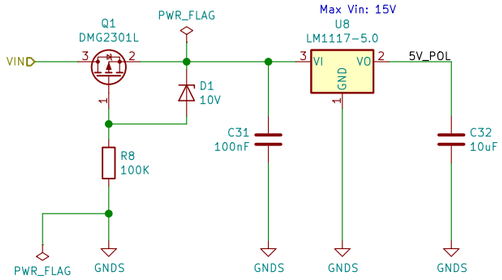



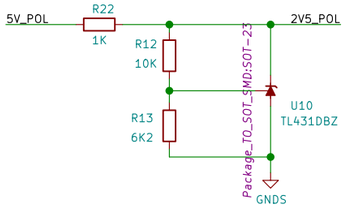




Sheet: /MCU/
File: MCU.sch

**Title: Microcontroller**

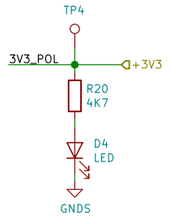
| Size: A3 | Date: 2020-03-04 | **Rev: A** |
|---|---|---|
| KiCad E.D.A. kicad (5.1.5-0-10_14) | | Id: 2/4 |

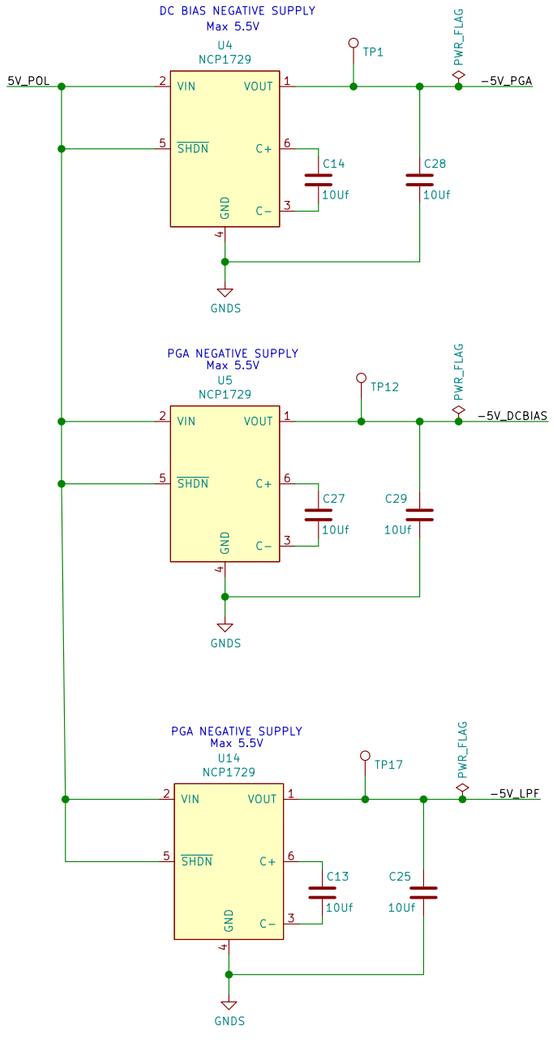


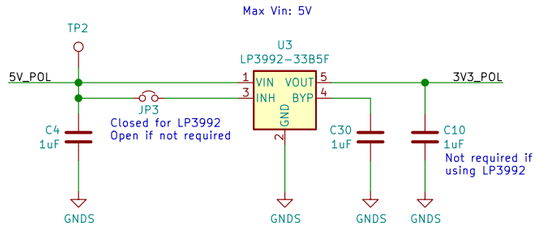



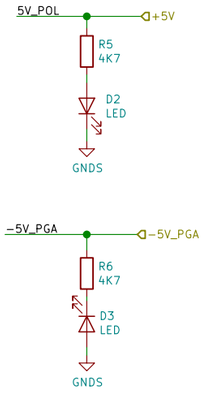

Current Consumption:

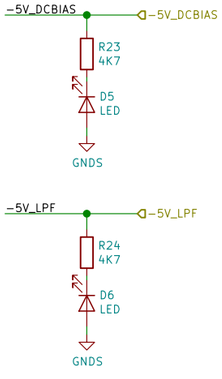
| | | |
|---|---|---|
| STM32G4 | (MCU) | 42mA (max) |
| TL972 | (OPAMP) | 3.2mA (per amplifier) |
| LTC6910 | (PGA) | 4.9mA |
| TS12A12511 | (SPDT) | 1uA |
| 74LVC1G3157 | (SPDT) | 35uA |
| TFT display | | 60mA |

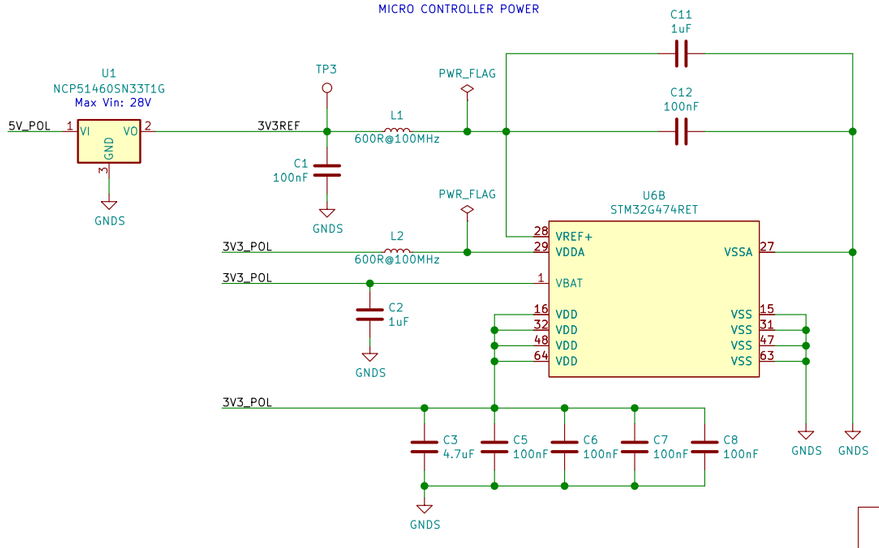


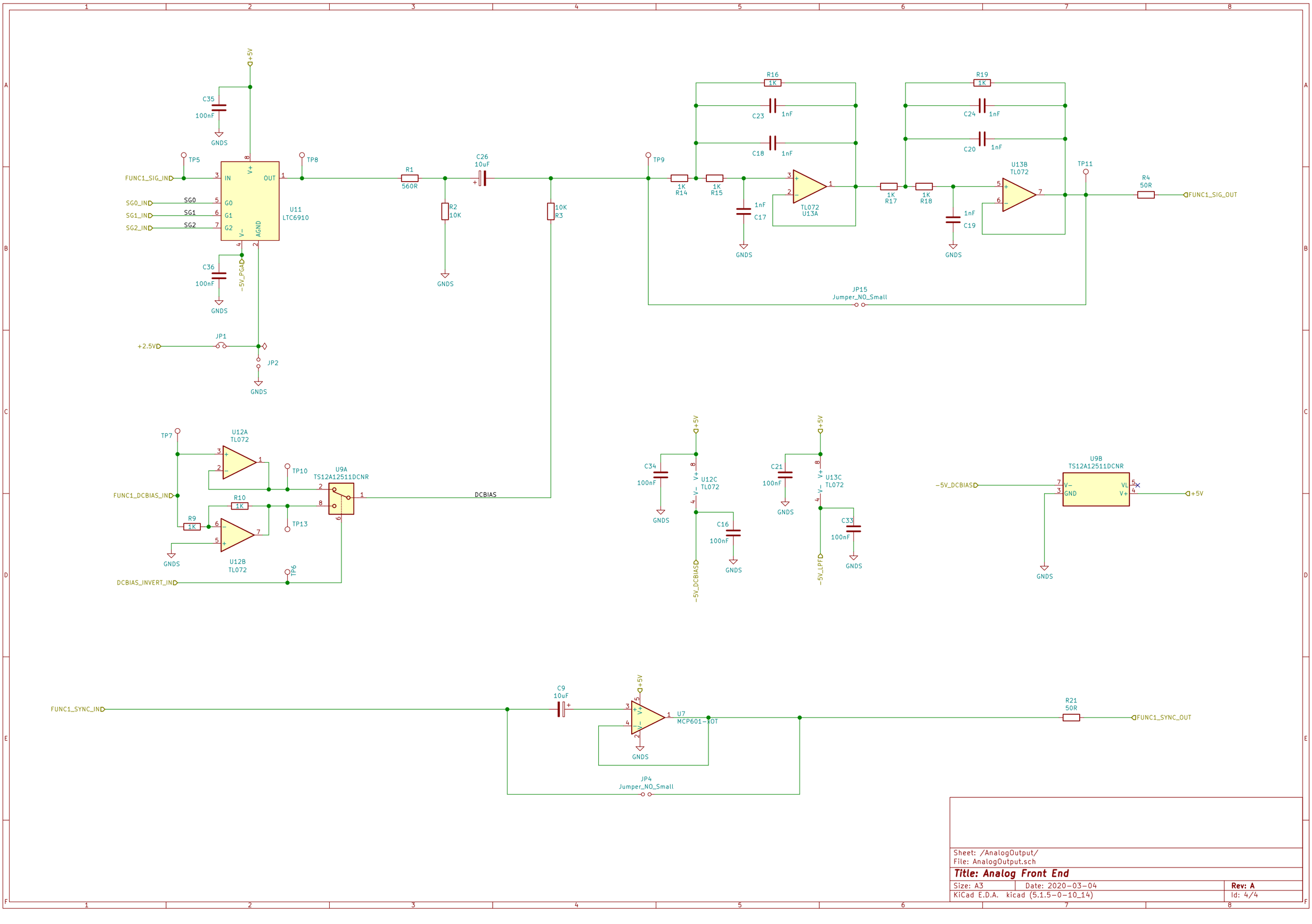




| | |
|---|---|
| Sheet: /PSU/ | |
| File: PSU.sch | |
| **Title: Power Supply** | |
| Size: A3 | Date: 2020-03-04 |
| KiCad E.D.A. kicad (5.1.5-0-10_14) | **Rev: A** |
| | Id: 3/4 |




| | | |
|---|---|---|
| Sheet: /AnalogOutput/ | | |
| File: AnalogOutput.sch | | |
| **Title: Analog Front End** | | |
| Size: A3 | Date: 2020-03-04 | **Rev: A** |
| KiCad E.D.A. kicad (5.1.5-0-10_14) | | Id: 4/4 |