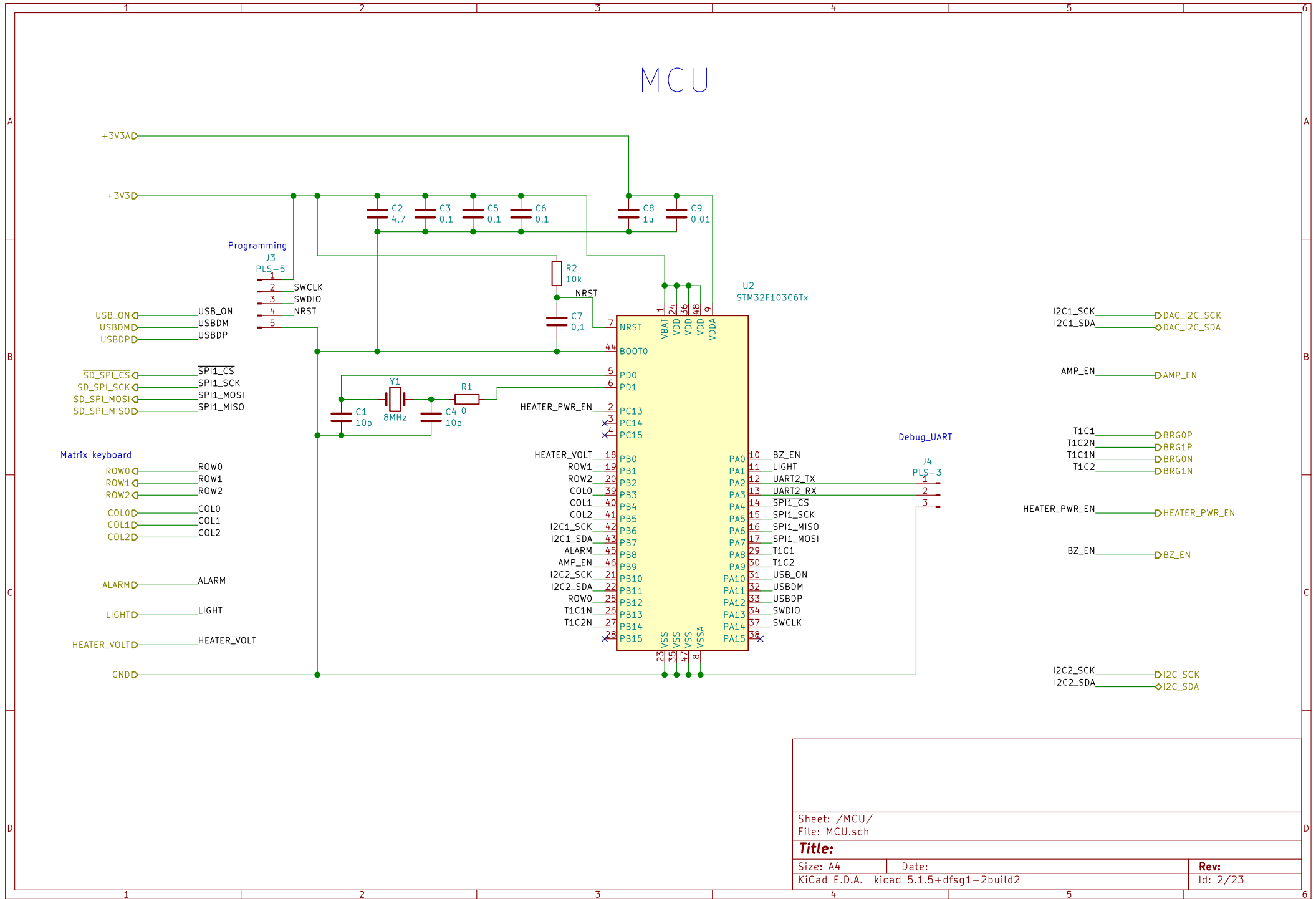
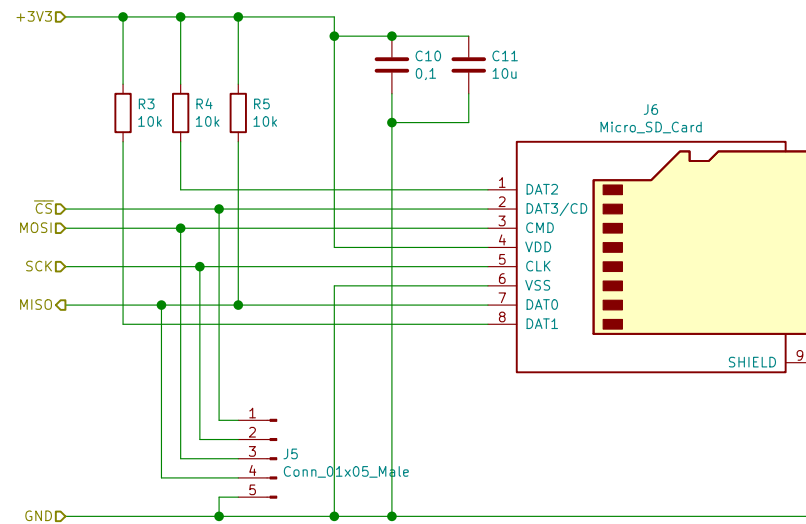


MCU



Micro-SD card connector



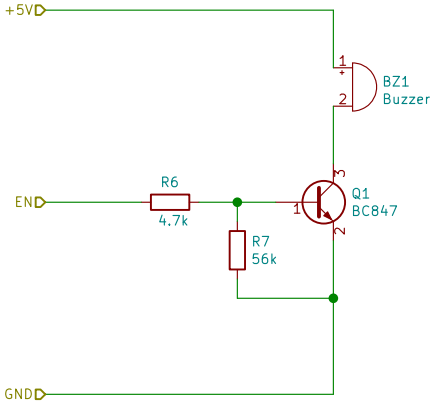
Sheet: /MICRO_SD_CARD/
File: Micro_SD_card.sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

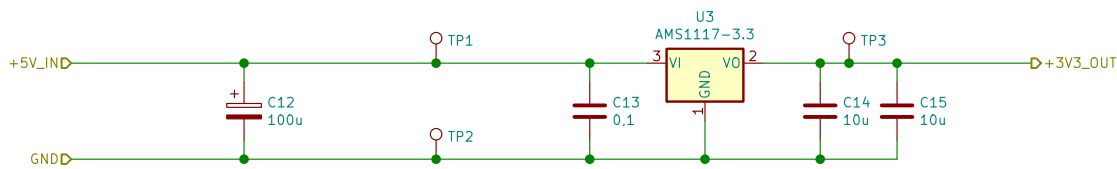
Rev:
Id: 3/23

Buzzer



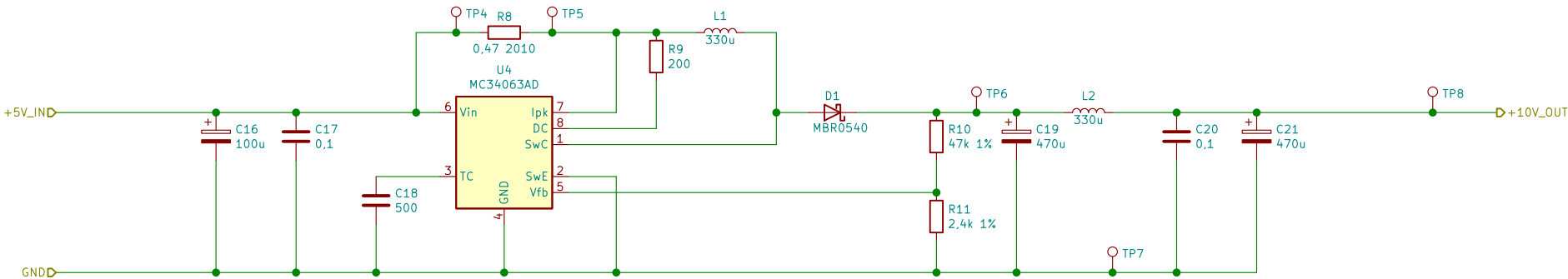
Sheet: /BUZZER/ File: Buzzer.sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2		Id: 4/23

Power source +3V3



Sheet: /+3V3/ File: Power_+3V3.sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2		Id: 5/23

Boost converter +10V



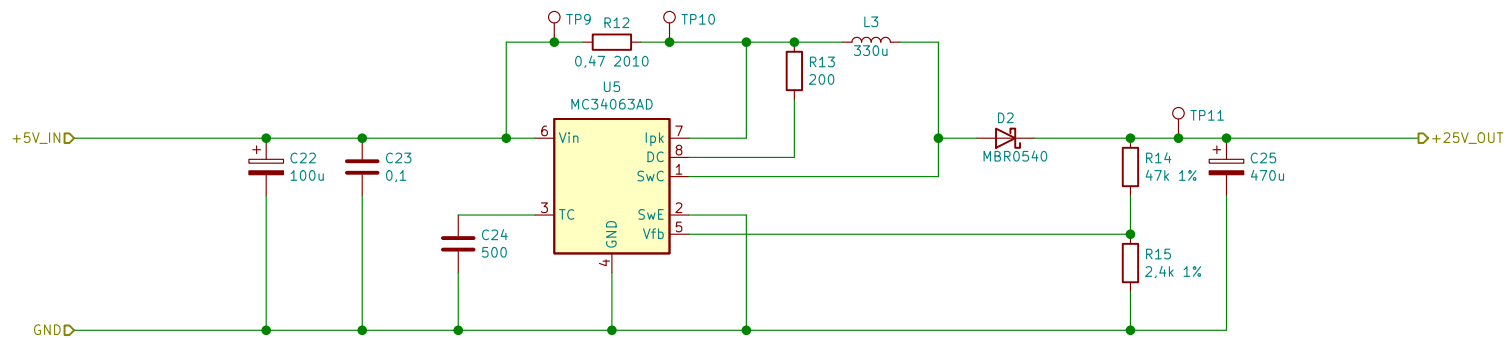
Sheet: /+10V/
File: Power_+10V.sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:
Id: 6/23

Boost converter +25V



Sheet: /+25V/
File: Power_+25V.sch

Title:

Size: A4

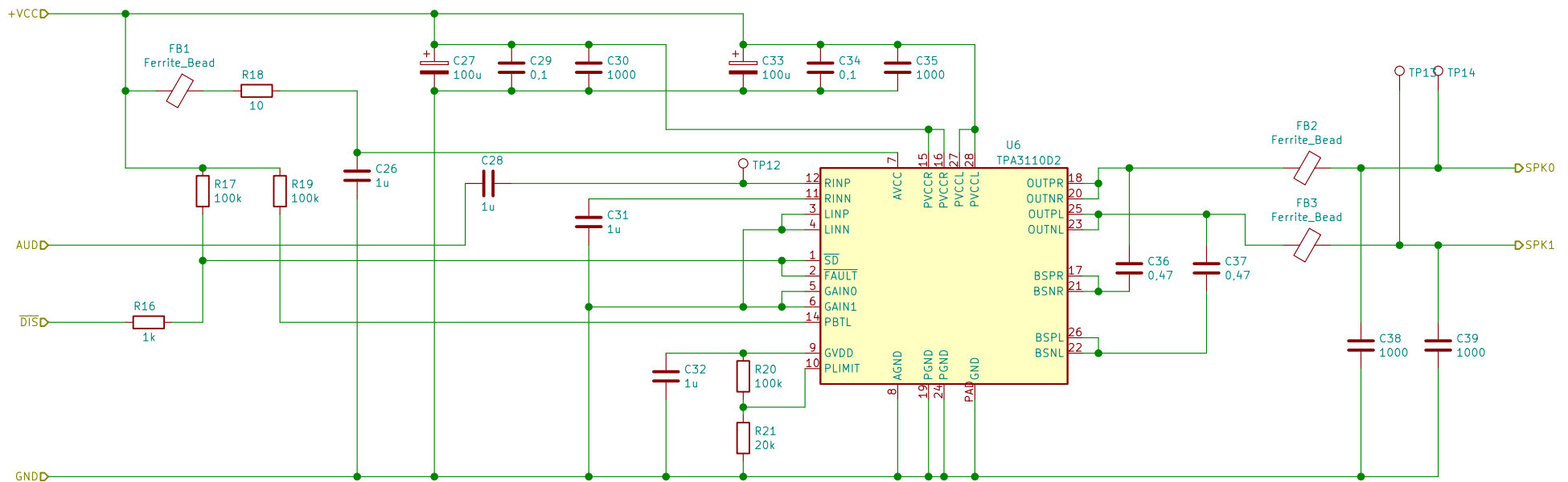
Date:

KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:

Id: 7/23

D class audio amplifier



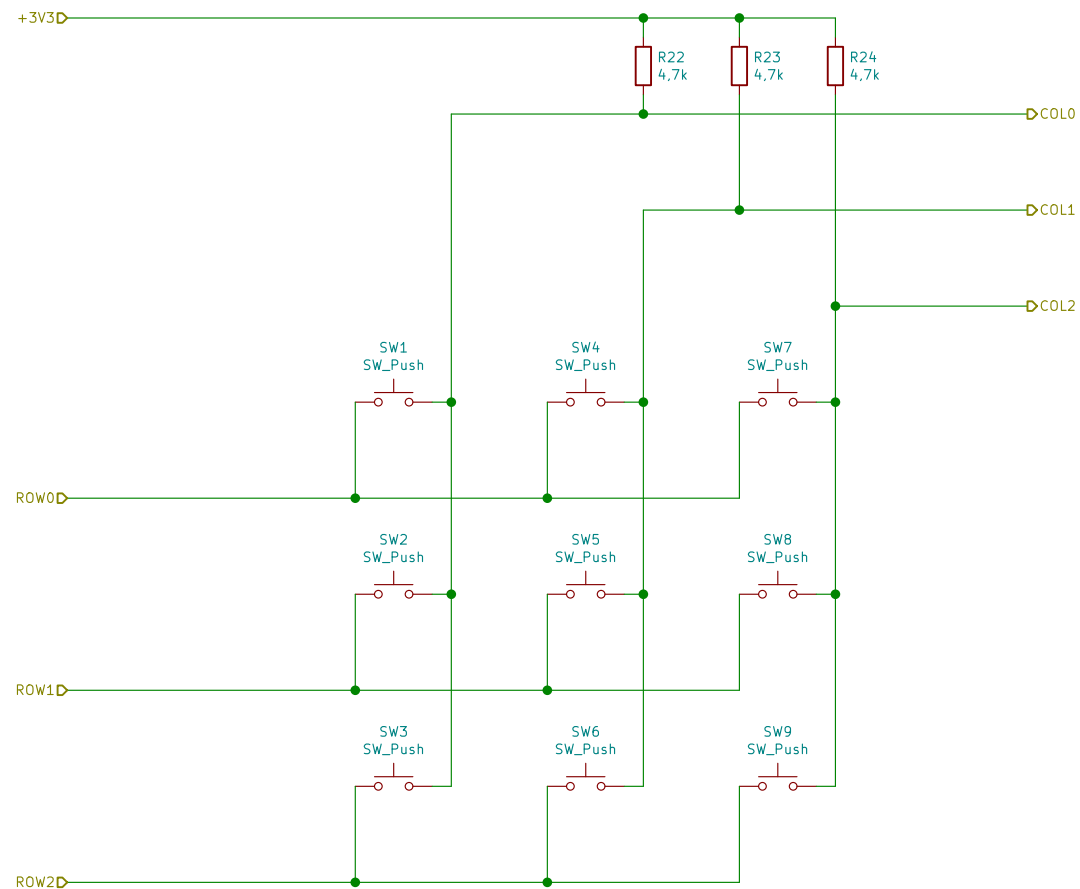
Sheet: /AUDIO_AMPLIFIER/
File: Audio_amplifier.sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:
Id: 8/23

Button matrix



Sheet: /BUTTONS/
File: Buttons.sch

Title:

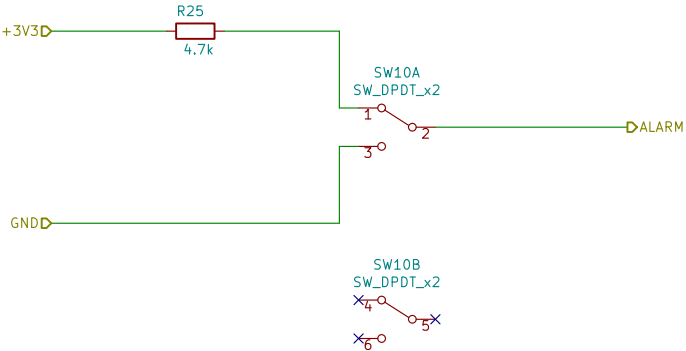
Size: A4
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Date:

Rev:

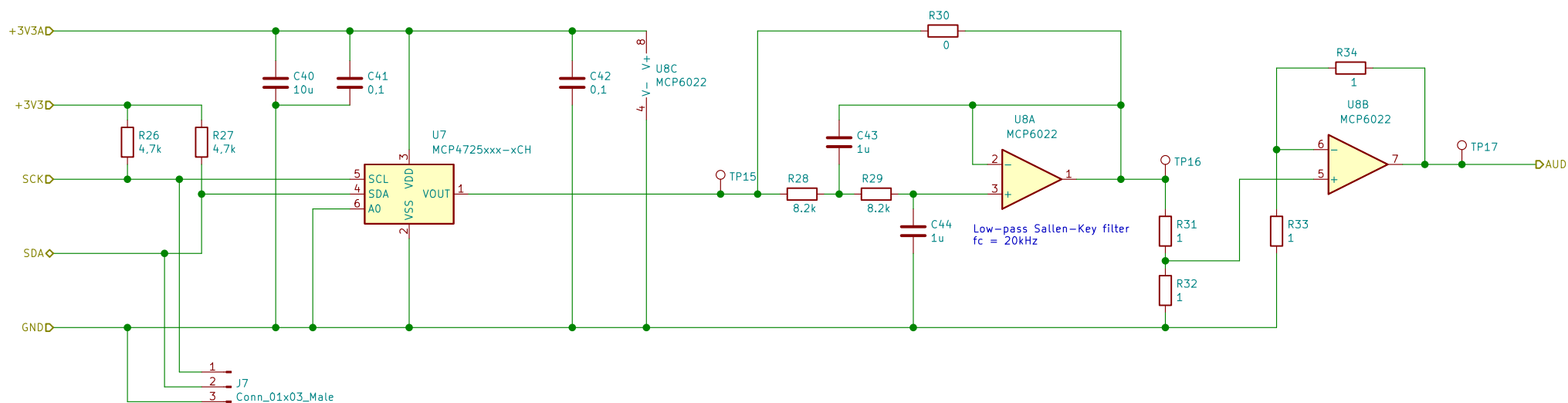
Id: 9/23

Alarm switch



Sheet: /ALARM_SW/ File: Switch.sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2		Id: 10/23

DAC with filter and preamplifier



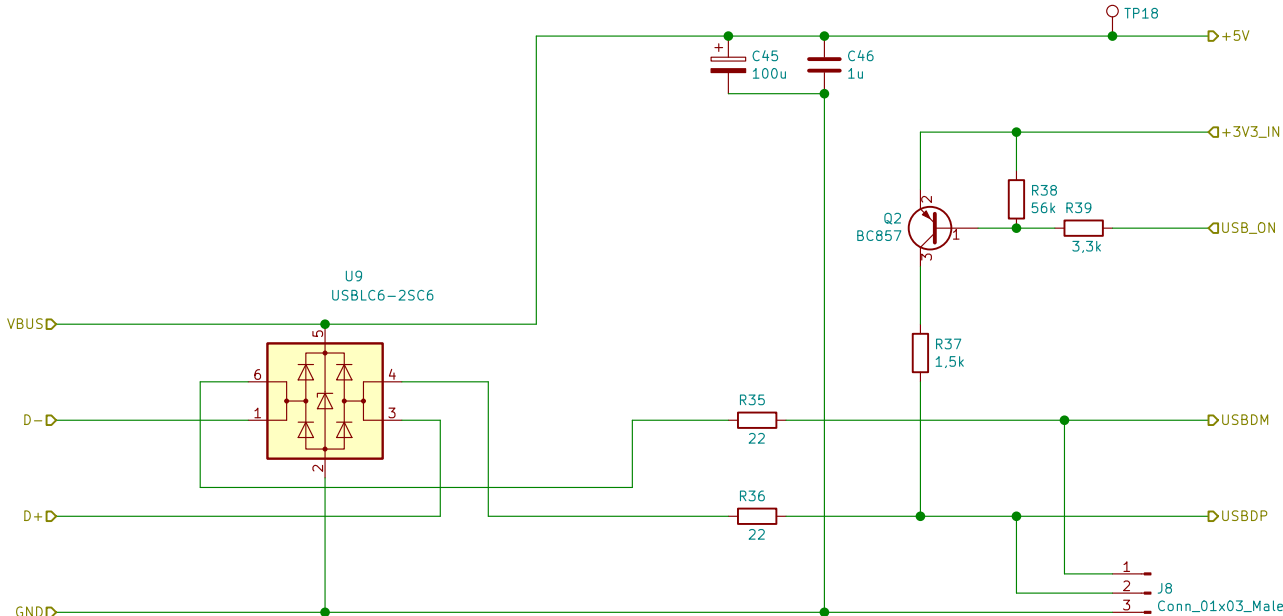
Sheet: /DAC/
File: DAC.sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:
Id: 11/23

USB in/out circuit



Sheet: /USB/
File: USB.sch

Title:

Size: A4

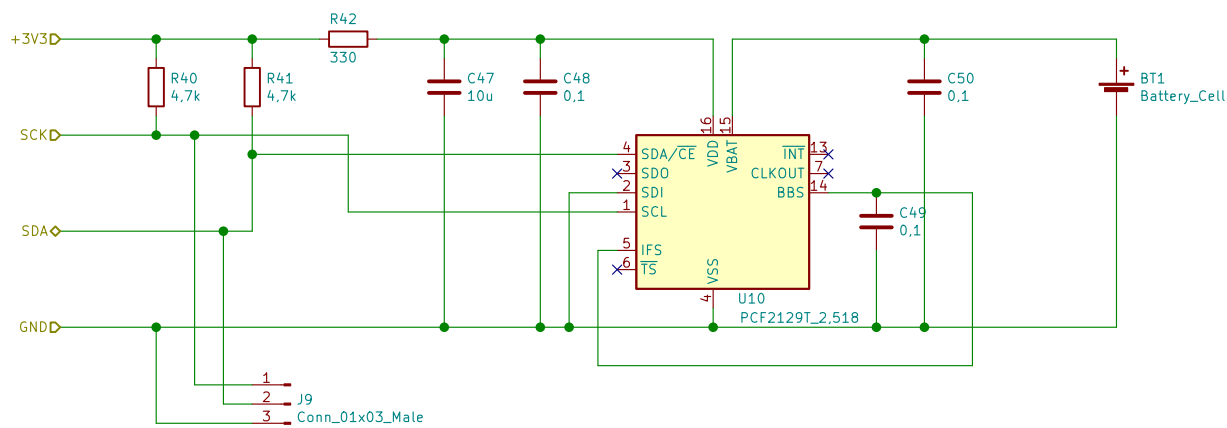
Date:

KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:

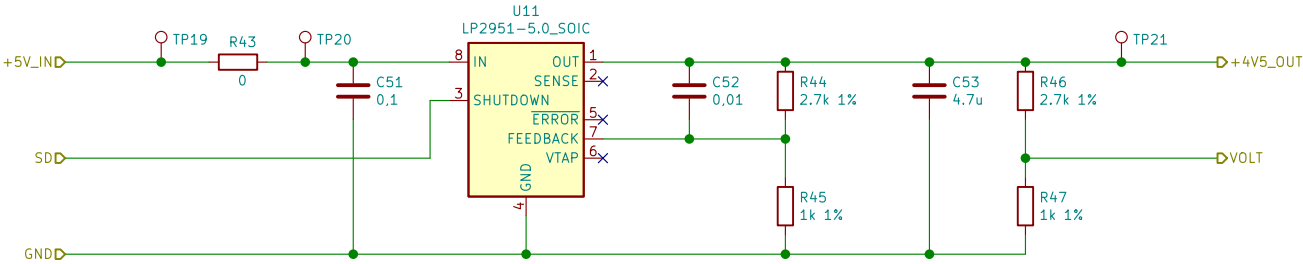
Id: 12/23

Battery powered RTC



Sheet: /RTC/ File: RTC.sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2		Id: 13/23

LDO +4V5



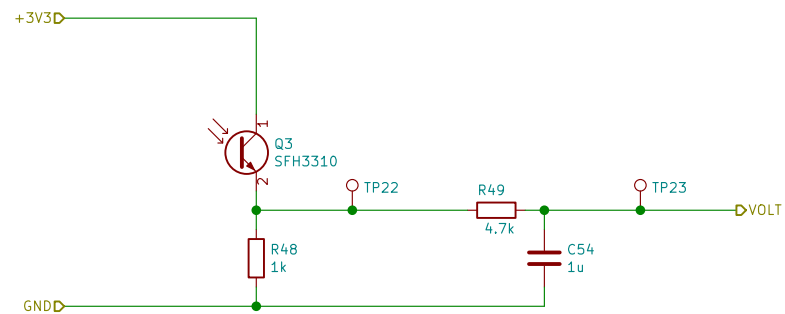
Sheet: /+4V5/
File: Power_+4.5V.sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:
Id: 14/23

Light level sensor



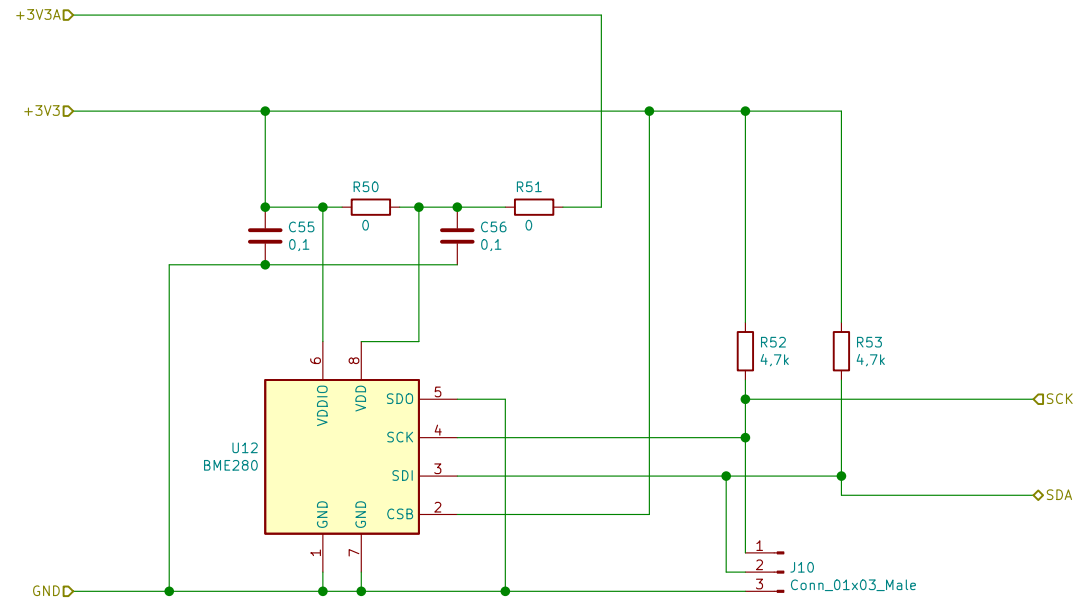
Sheet: /LIGHT_SENSOR/
File: Light_sensor.sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:
Id: 15/23

BME280 humidity and temperature sensor



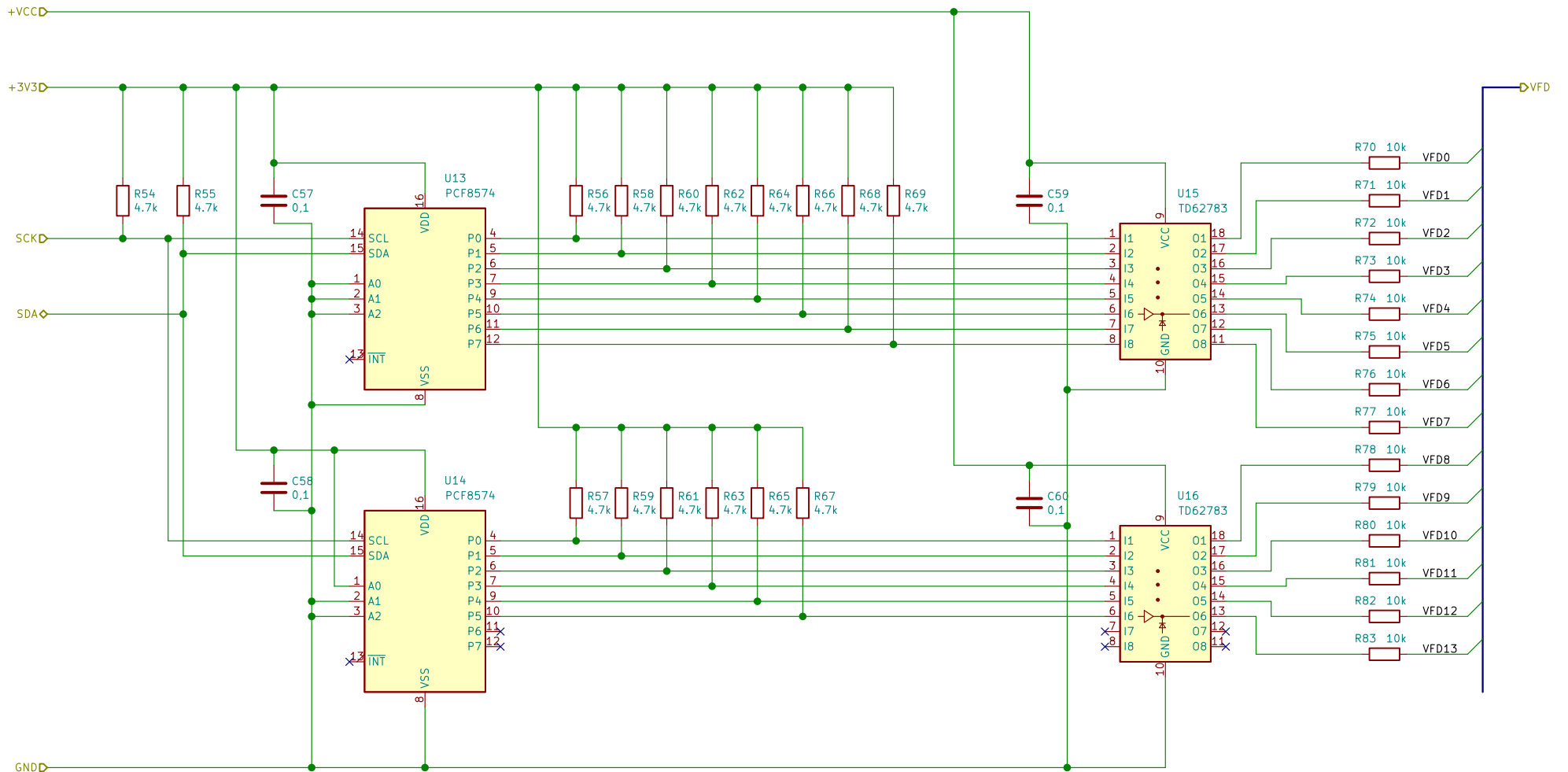
Sheet: /TEMP_SENSOR/
File: Temp_sensor.sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:
Id: 16/23

VFD (vacuum fluorescent display) control circuit



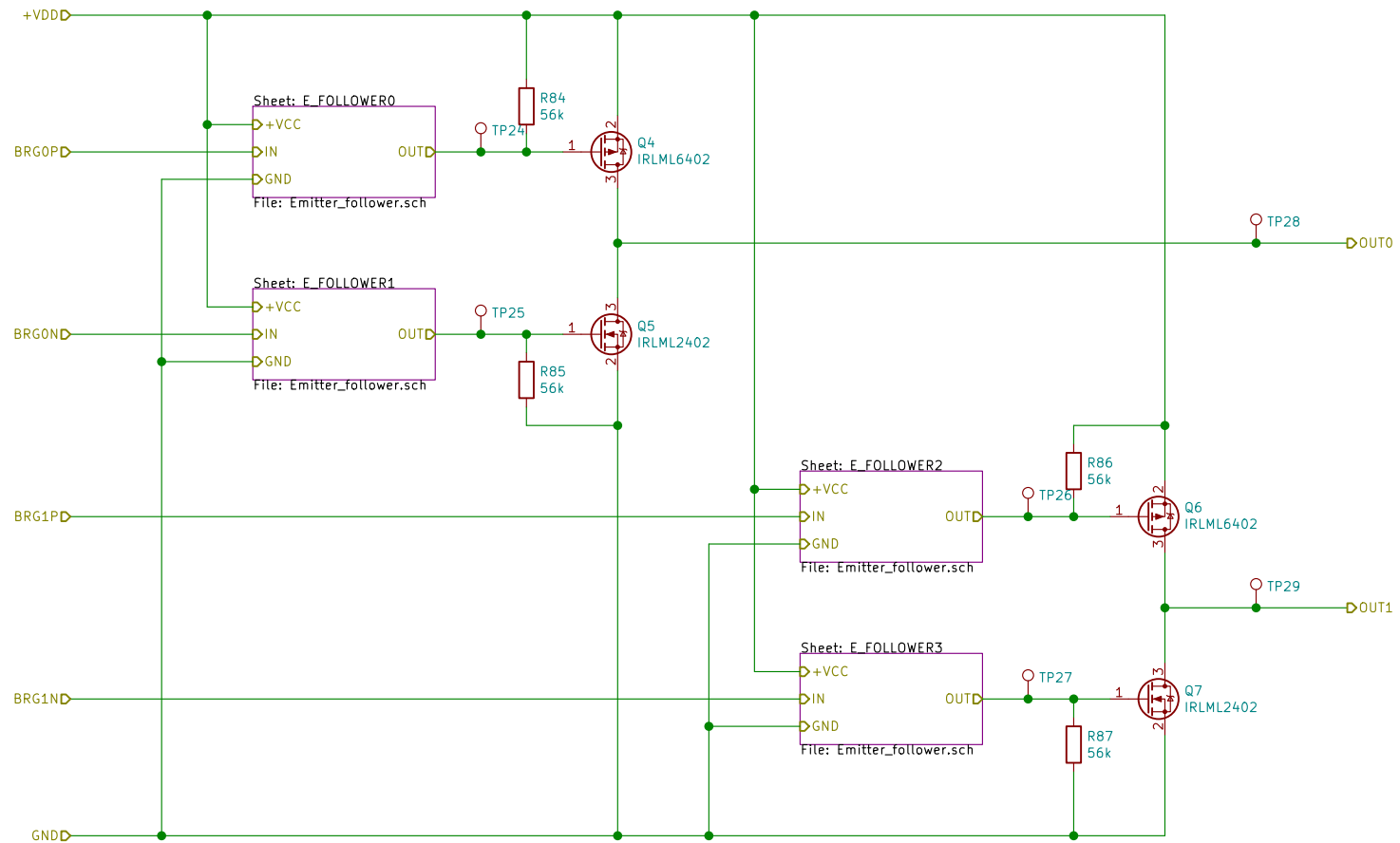
Sheet: /VFD_DRIVER/
File: VFD_driver.sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:
Id: 17/23

Heater power H-bridge



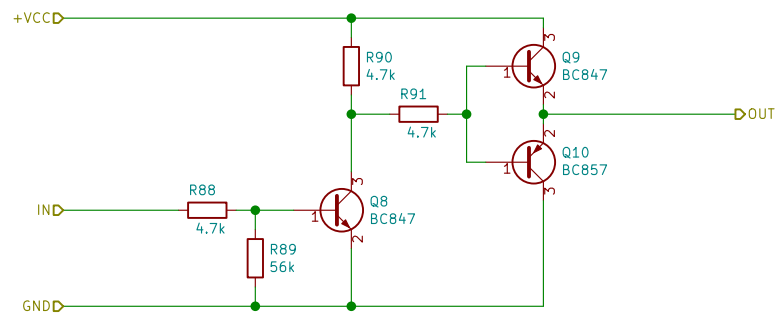
Sheet: /VFD_HEATER/
File: VFD_heater.sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:
Id: 18/23

Double emitter follower



Sheet: /VFD_HEATER/E_FOLLOWER0/
File: Emitter_follower.sch

Title:

Size: A4

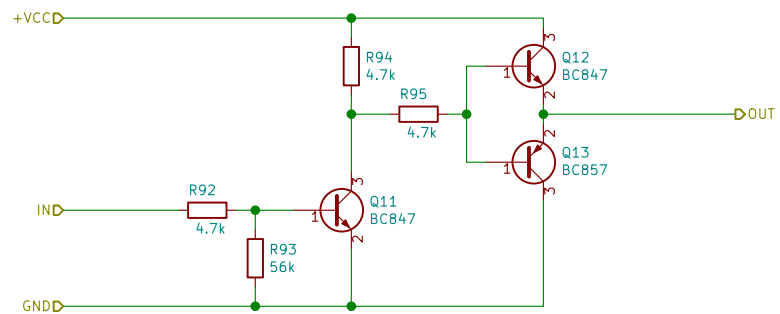
Date:

KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:

Id: 19/23

Double emitter follower



Sheet: /VFD_HEATER/E_FOLLOWER1/
File: Emitter_follower.sch

Title:

Size: A4

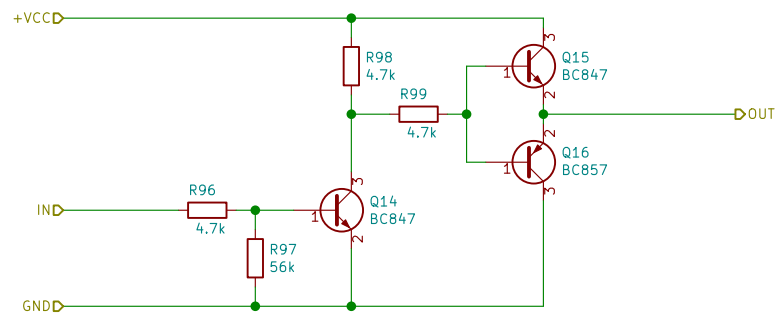
Date:

KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:

Id: 20/23

Double emitter follower



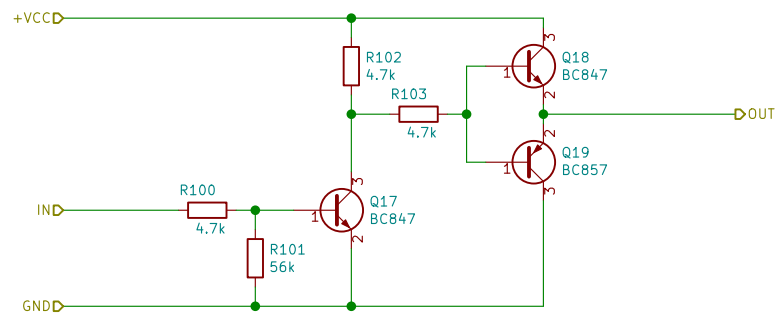
Sheet: /VFD_HEATER/E_FOLLOWER2/
File: Emitter_follower.sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:
Id: 21/23

Double emitter follower



Sheet: /VFD_HEATER/E_FOLLOWER3/
File: Emitter_follower.sch

Title:

Size: A4

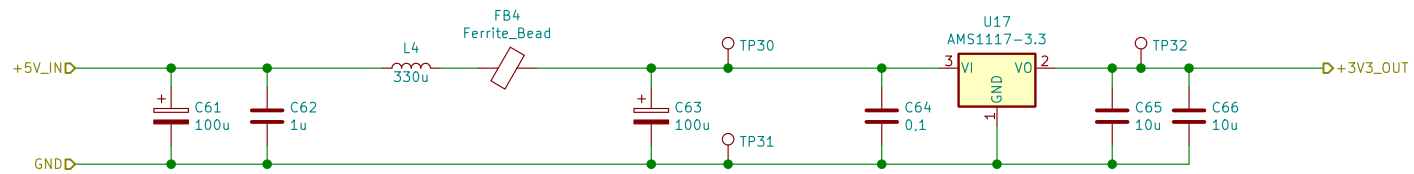
Date:

KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:

Id: 22/23

Power source +3V3 analog



Sheet: /+3V3A/
File: Power_+3V3A.sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:
Id: 23/23