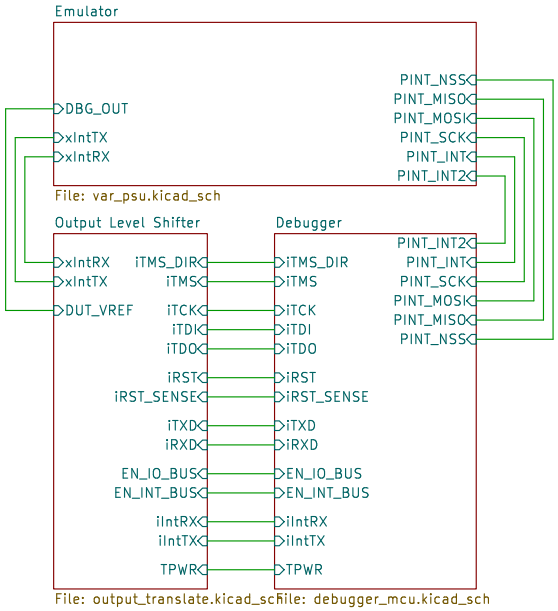
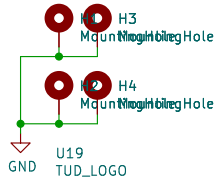




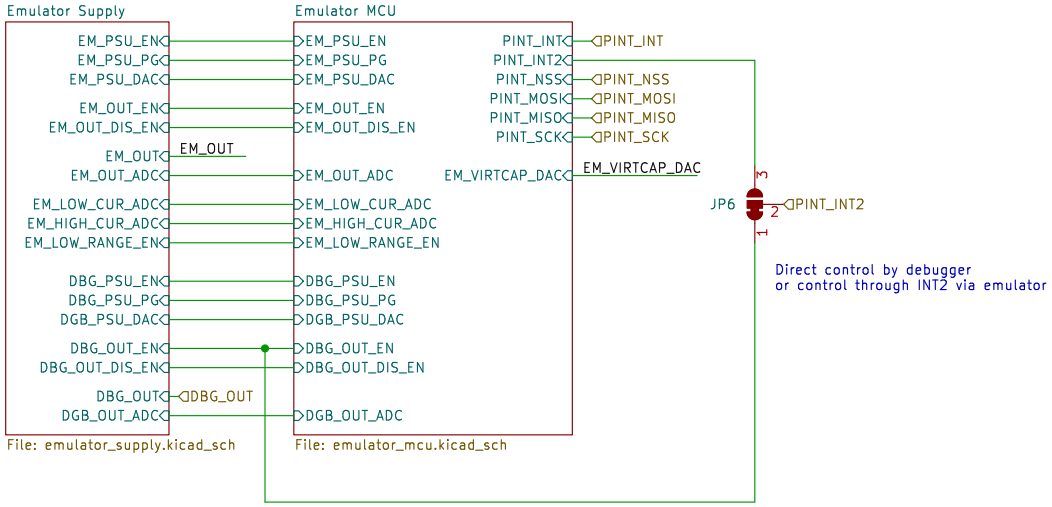
TU Delft

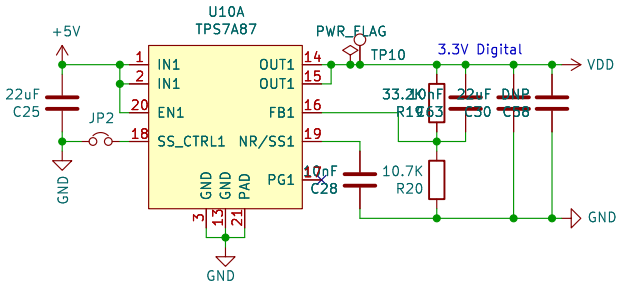
Sheet: /
File: int-debugger.kicad_sch

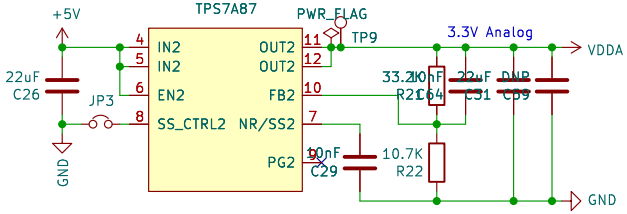
Title: DIPS-Intermittent Debugger

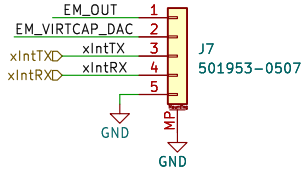
Size: A4	Date: 2022-08-16	**Rev: 2.1**
KiCad E.D.A. kicad 7.0.3		Id: 1/6

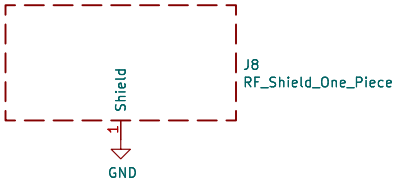
Two supplies (Analog, Digital)
together with the variable emulator output,
capable of switching on/off discharging the DUT
and measuring the current; and the debug supply.









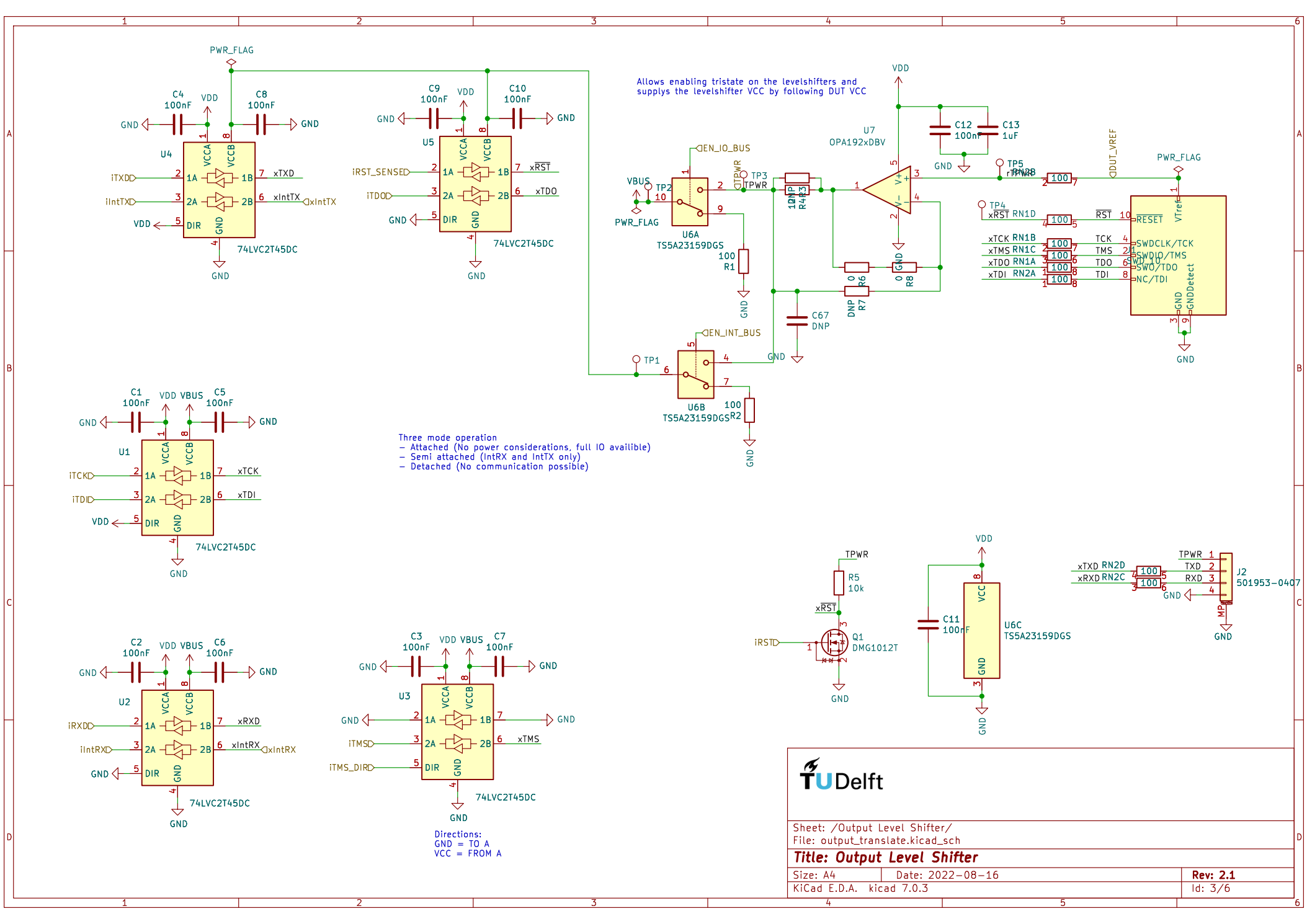


TUDelft

Sheet: /Emulator/
File: var_psu.kicad_sch

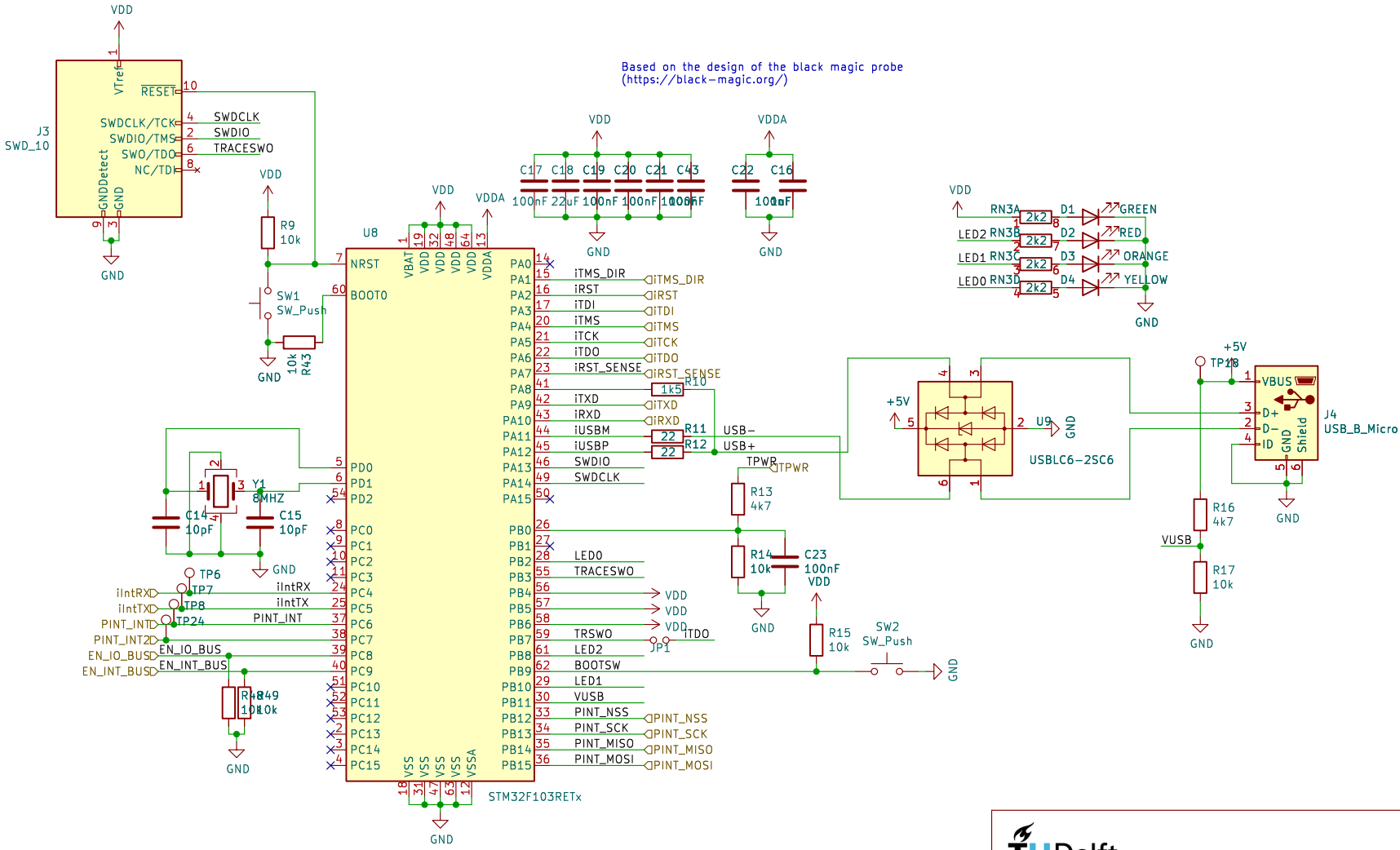
Title: Emulator

Size: A4	Date: 2022-08-16	**Rev: 2.1**
KiCad E.D.A. kicad 7.0.3		Id: 2/6



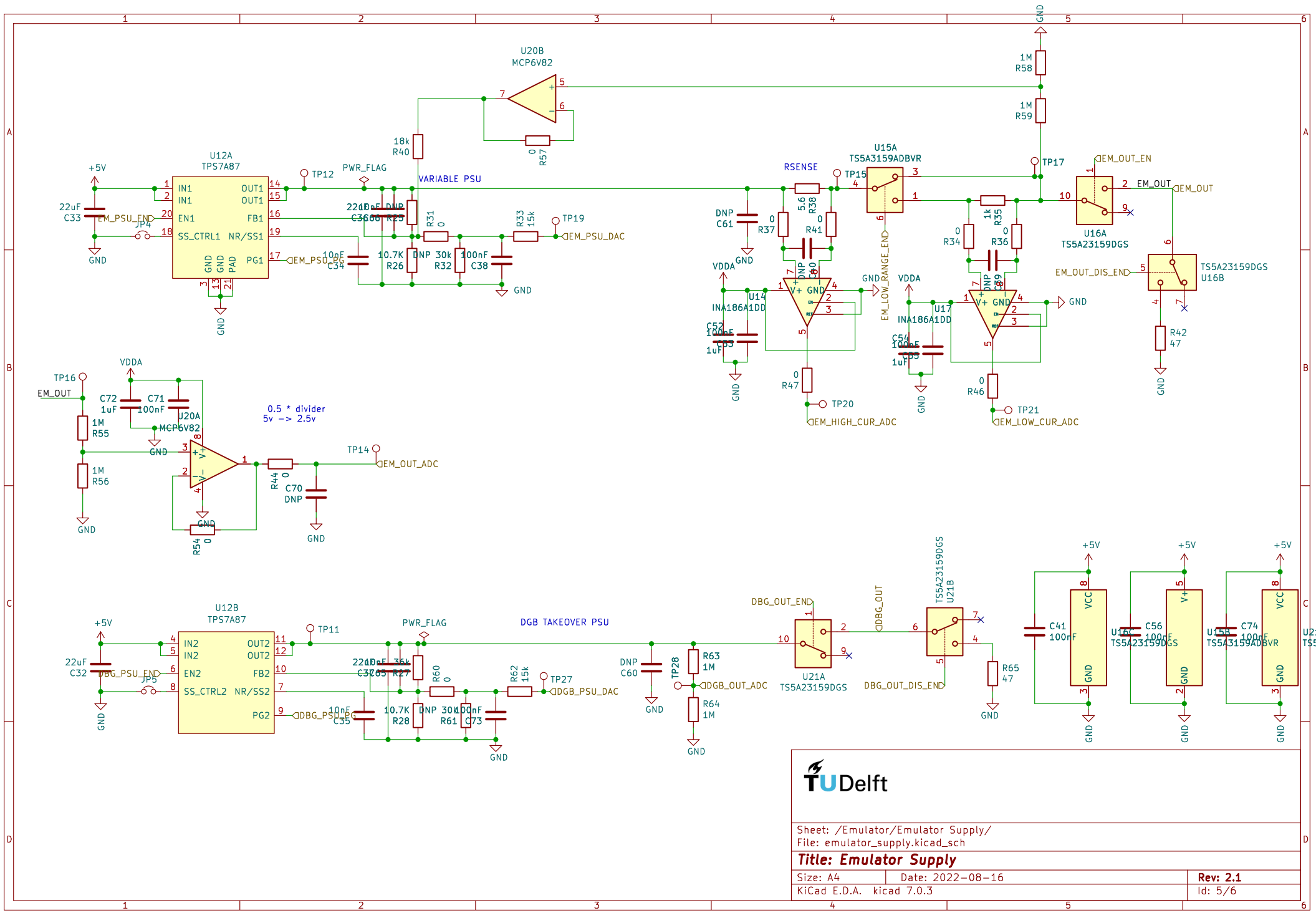
TUDelft

Sheet: /Output Level Shifter/		
File: output_translate.kicad_sch		
Title: Output Level Shifter		
Size: A4	Date: 2022-08-16	**Rev: 2.1**
KiCad E.D.A. kicad 7.0.3		Id: 3/6



TU Delft

Sheet: /Debugger/		
File: debugger_mcu.kicad_sch		
Title: Debugger MCU		
Size: A4	Date: 2022-08-16	**Rev: 2.1**
KiCad E.D.A. kicad 7.0.3		Id: 4/6

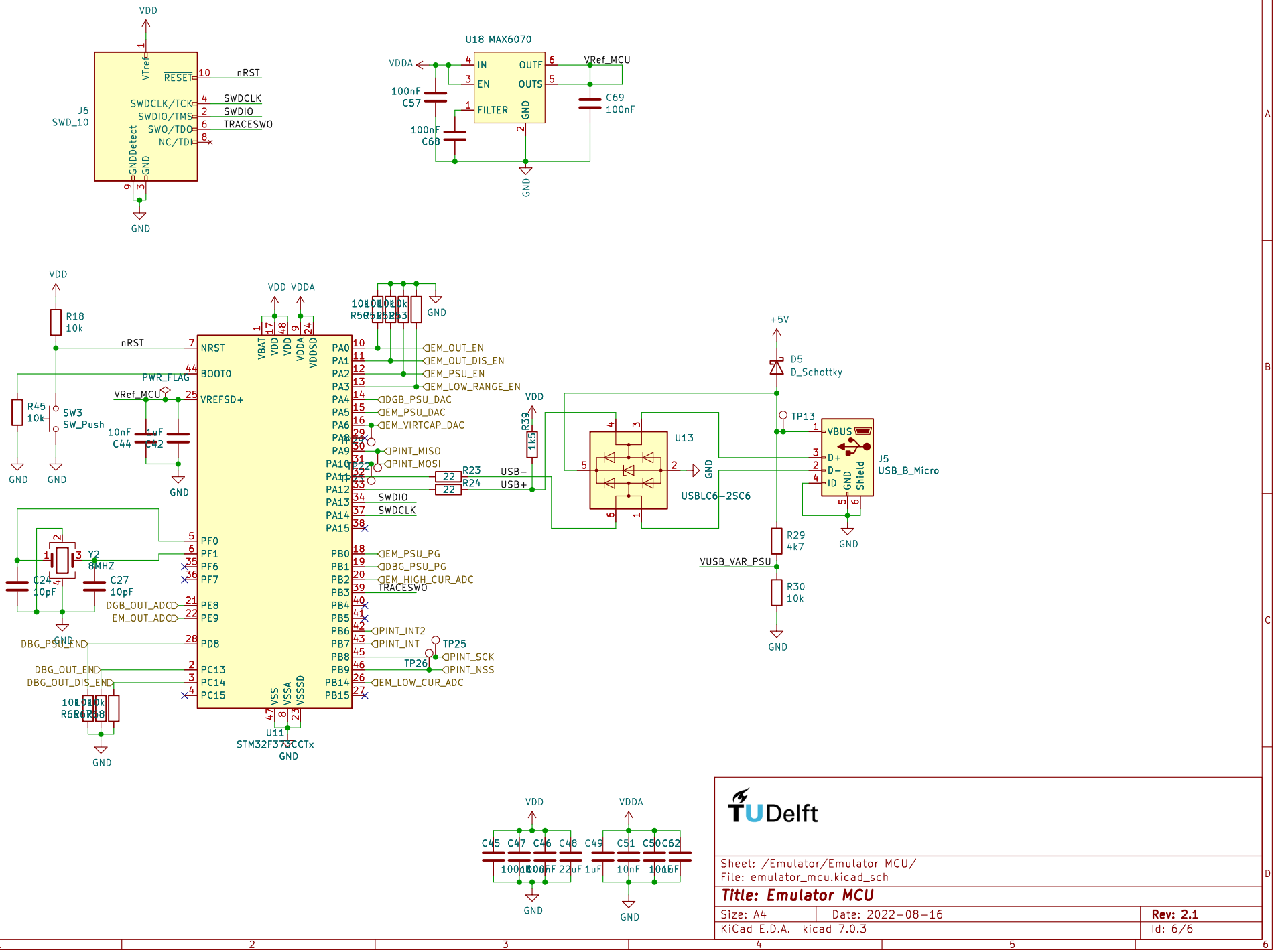


TUDelft

Sheet: /Emulator/Emulator Supply/
File: emulator_supply.kicad_sch

Title: Emulator Supply

Size: A4	Date: 2022-08-16	**Rev: 2.1**
KiCad E.D.A. kicad 7.0.3		Id: 5/6


VDD
J6
SWD_10
VTref
RESET
nRST
SWDCLK/TCK
SWDCLK
SWDIO/TMS
SWDIO
SWO/TDO
TRACESWO
NC/TDI
GNDDetect
GND
U18 MAX6070
VDDA
IN
OUTF
VRef_MCU
EN
OUTS
FILTER
GND
100nF
C57
C68
C69
R18
10k
nRST
PWR_FLAG
VRef_MCU
R45
SW3
SW_Push
10nF
C44
1uF
C42
NRST
BOOT0
VREFSD+
VBAT
VDD
VDDA
VDDSD
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA9
PA10
PA11
PA12
PA13
PA14
PA15
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PB8
PB9
PB14
PB15
PF0
PF1
PF6
PF7
PE8
PE9
PD8
PC13
PC14
PC15
VSS
VSSA
VSSSD
U11
STM32F373CCTx
EM_OUT_EN
EM_OUT_DIS_EN
EM_PSU_EN
EM_LOW_RANGE_EN
DGB_PSU_DAC
EM_PSU_DAC
EM_VIRTCAP_DAC
PINT_MISO
PINT_MOSI
SWDIO
SWDCLK
EM_PSU_PG
DBG_PSU_PG
EM_HIGH_CUR_ADC
TRACESWO
PINT_INT2
PINT_INT
PINT_SCK
PINT_NSS
EM_LOW_CUR_ADC
TP25
TP26
R23
R24
22
USB-
USB+
R39
1k5
U13
USBLC6-2SC6
+5V
D5
D_Schottky
TP13
J5
USB_B_Micro
VBUS
D+
D-
ID
GND
Shield
R29
4k7
R30
10k
VUSB_VAR_PSU
Y2
8MHZ
C24
10pF
C27
10pF
DGB_OUT_ADC
EM_OUT_ADC
DBG_PSU_END
DBG_OUT_END
DBG_OUT_DIS_END
C45
C47
C46
C48
C49
C51
C50
C62
22uF
1uF
10nF
TUDelft
Sheet: /Emulator/Emulator MCU/
File: emulator_mcu.kicad_sch
Title: Emulator MCU
Size: A4
Date: 2022-08-16
Rev: 2.1
KiCad E.D.A. kicad 7.0.3
Id: 6/6