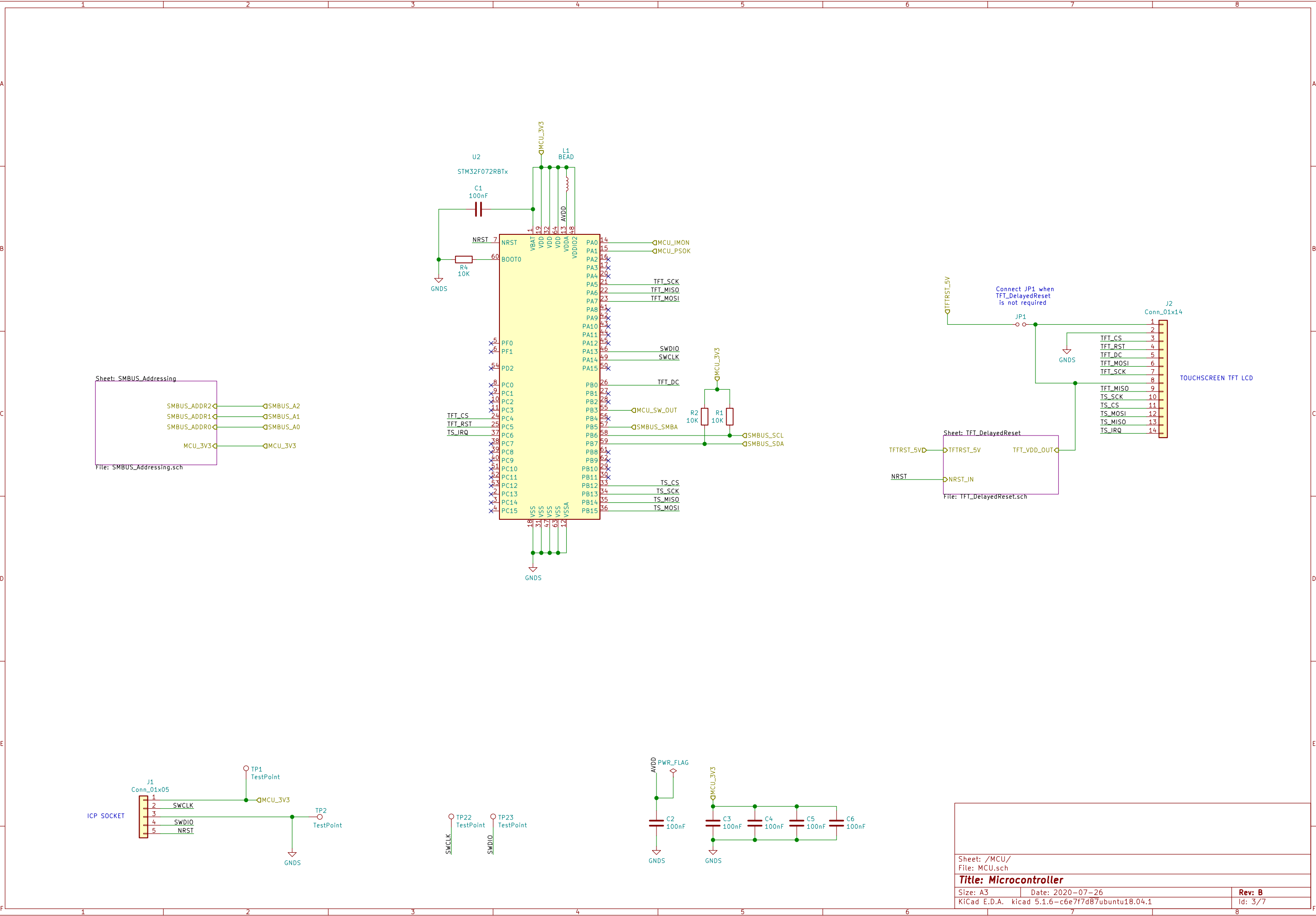


Sheet: /OutputConnectors/ File: OutputConnectors.sch		
<b>Title: High current output connctors</b>		
Size: A4	Date: 2020-07-26	Rev: B
KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1		Id: 2/7



Sheet: SMBUS\_Addressing

File: SMBUS\_Addressing.sch

SMBUS\_ADDR2 → SMBUS\_A2

SMBUS\_ADDR1 → SMBUS\_A1

SMBUS\_ADDR0 → SMBUS\_A0

MCU\_3V3 → MCU\_3V3

Connect JP1 when TFT\_DelayedReset is not required

J2 Conn\_01x14

TOUCHSCREEN TFT LCD

TFT\_CS → 1

TFT\_RST → 2

TFT\_DC → 3

TFT\_MOSI → 4

TFT\_SCK → 5

TFT\_MISO → 6

TS\_SCK → 7

TS\_CS → 8

TS\_MOSI → 9

TS\_MISO → 10

TS\_IRQ → 11

Sheet: TFT\_DelayedReset

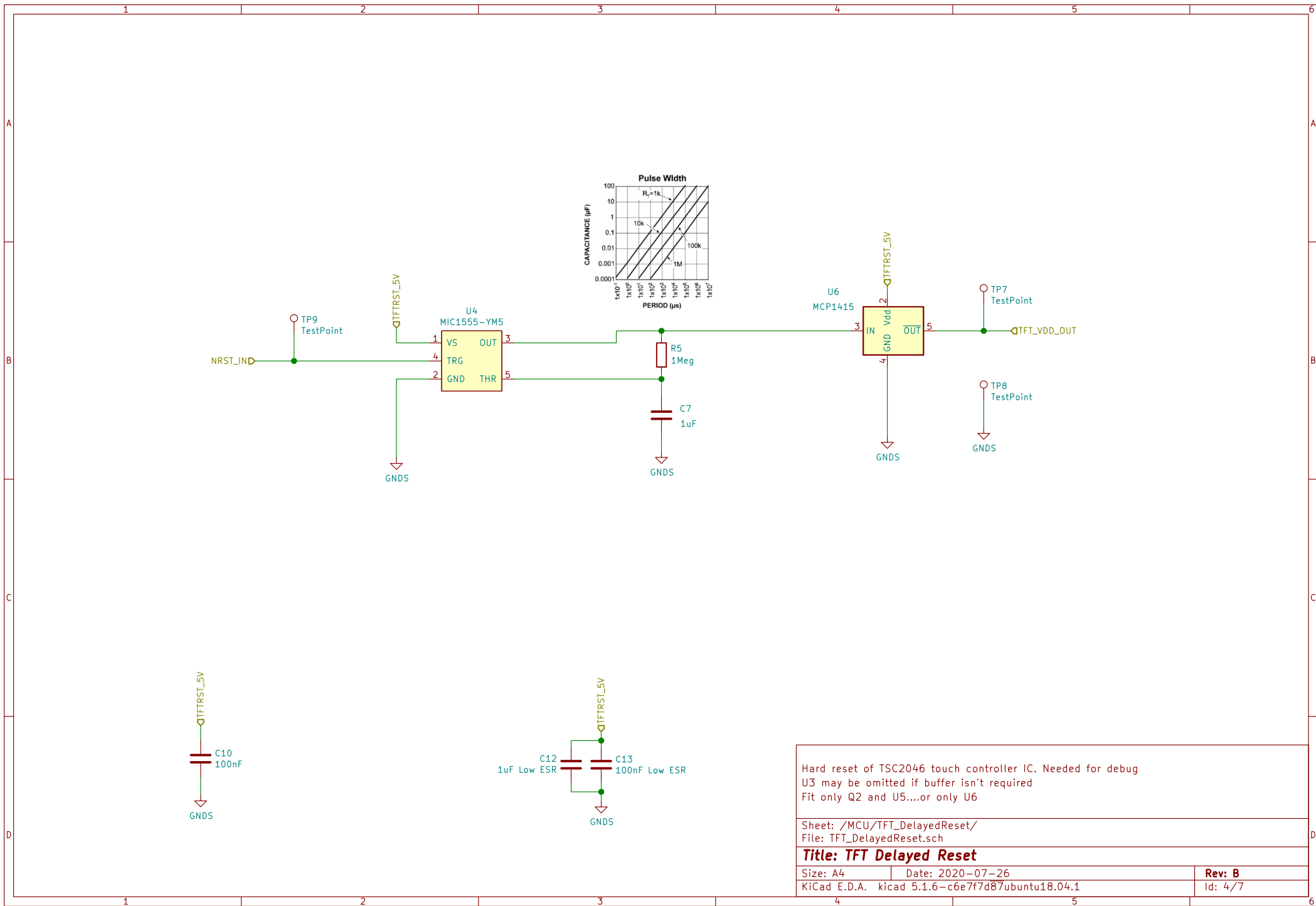
File: TFT\_DelayedReset.sch

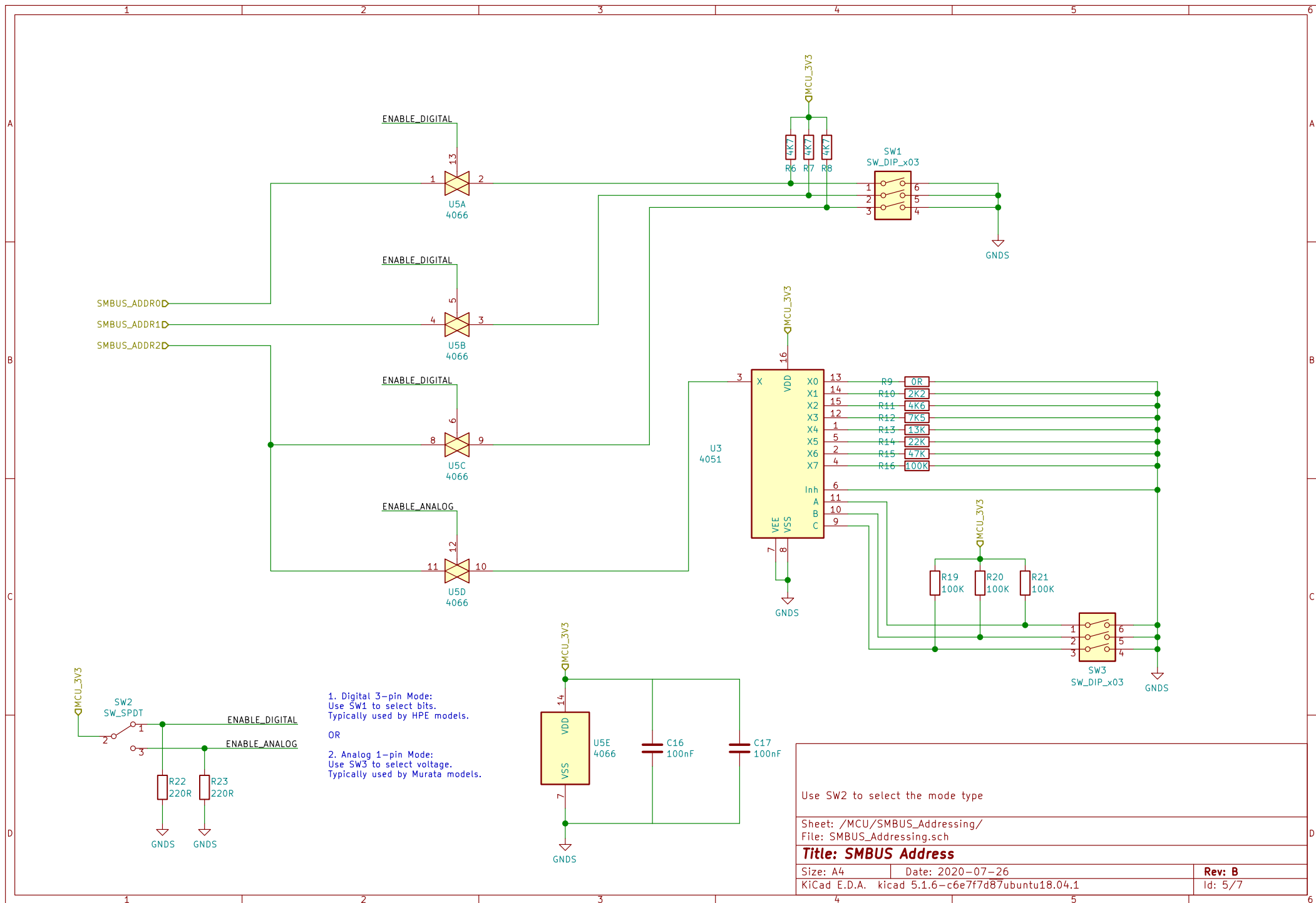
TFTRST\_5V → TFTRST\_5V

NRST → NRST\_IN

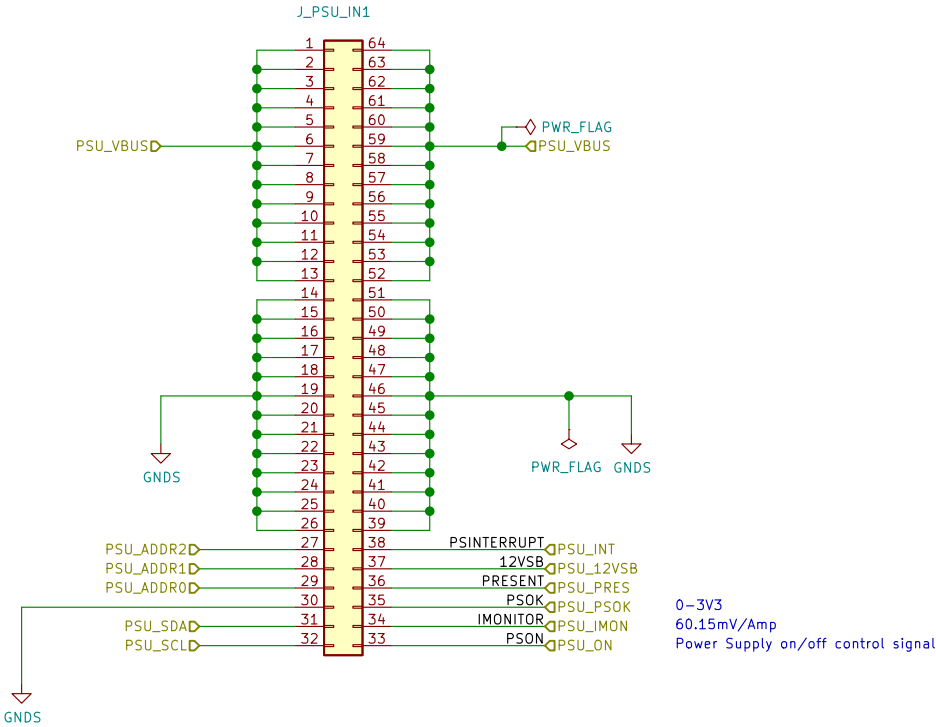
TFT\_VDD\_OUT → T\_VDD\_OUT

Sheet: /MCU/		
File: MCU.sch		
Title: Microcontroller		
Size: A3	Date: 2020-07-26	Rev: B
KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1		
Id: 3/7		

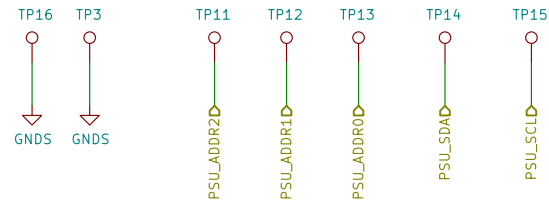




Card Slot Connector



Testpoints



Sheet: /PSUConnector/ File: PSUConnector.sch		
Title: Card slot connector		
Size: A4	Date: 2020-07-26	Rev: B
KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1		Id: 6/7

## PSU Power

PSU ENABLE REQUIRES TWO CONDITIONS:  
1. PULLUP PRESENT PIN; TELL PSU IT IS INSERTED INTO ACTIVE SERVER  
2. GND ENABLE PIN

PSU\_PRESENT

1. To "enable" the Main 12Vdc output  
the PRESENT signal requires to be pulled "high"  
with respect GND.

PSU\_ON

2. The PS\_ON signal can be permanently  
connected to GND to "enable" the Main 12Vdc output

PSU\_12VSB

R3

GND5

Q1  
DMG2302U

MCU\_SW\_IN

## MCU/TFT Power

12VSB PIN CAN PROVIDE 2.5A WHILE PSU IS DISABLED

PSU\_12VSB  
PWR\_FLAG

C11  
1uF X5R 25V

GND5

U1  
LMR14206

VIN  
SHDN  
GND  
CB  
SW  
FB

C14  
220nF

L2  
18uH 150mOhm

D1  
SS14L

R17  
5.6K

R18  
1K

TestPoint  
TP6

TP5  
TestPoint

PWR\_FLAG  
TFT\_5V

C15  
47uF X5R 10V

GND5

U7  
AZ1117CR-3.3

VI  
GND  
VO

C8  
100nF

C9  
330nF

MCU\_3V3

Sheet: /HighVoltageControl/  
File: HighVoltageControl.sch

**Title: Power Supply**

Size: A4 Date: 2020-07-26

KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1

Rev: B

Id: 7/7