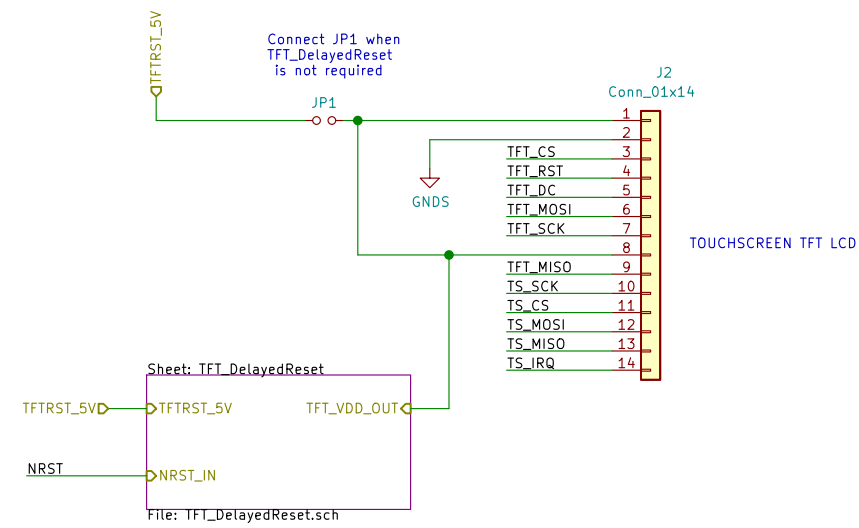
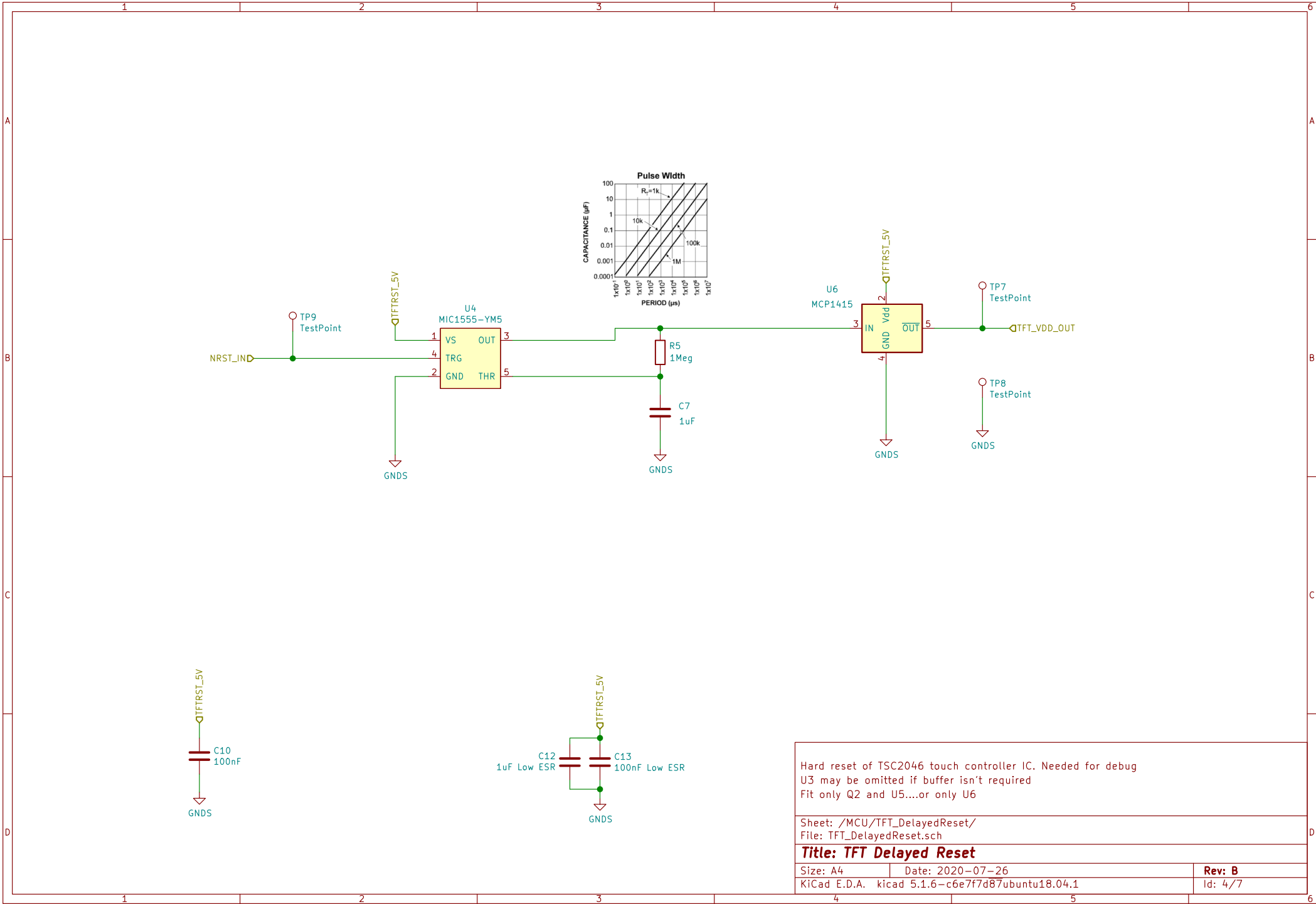
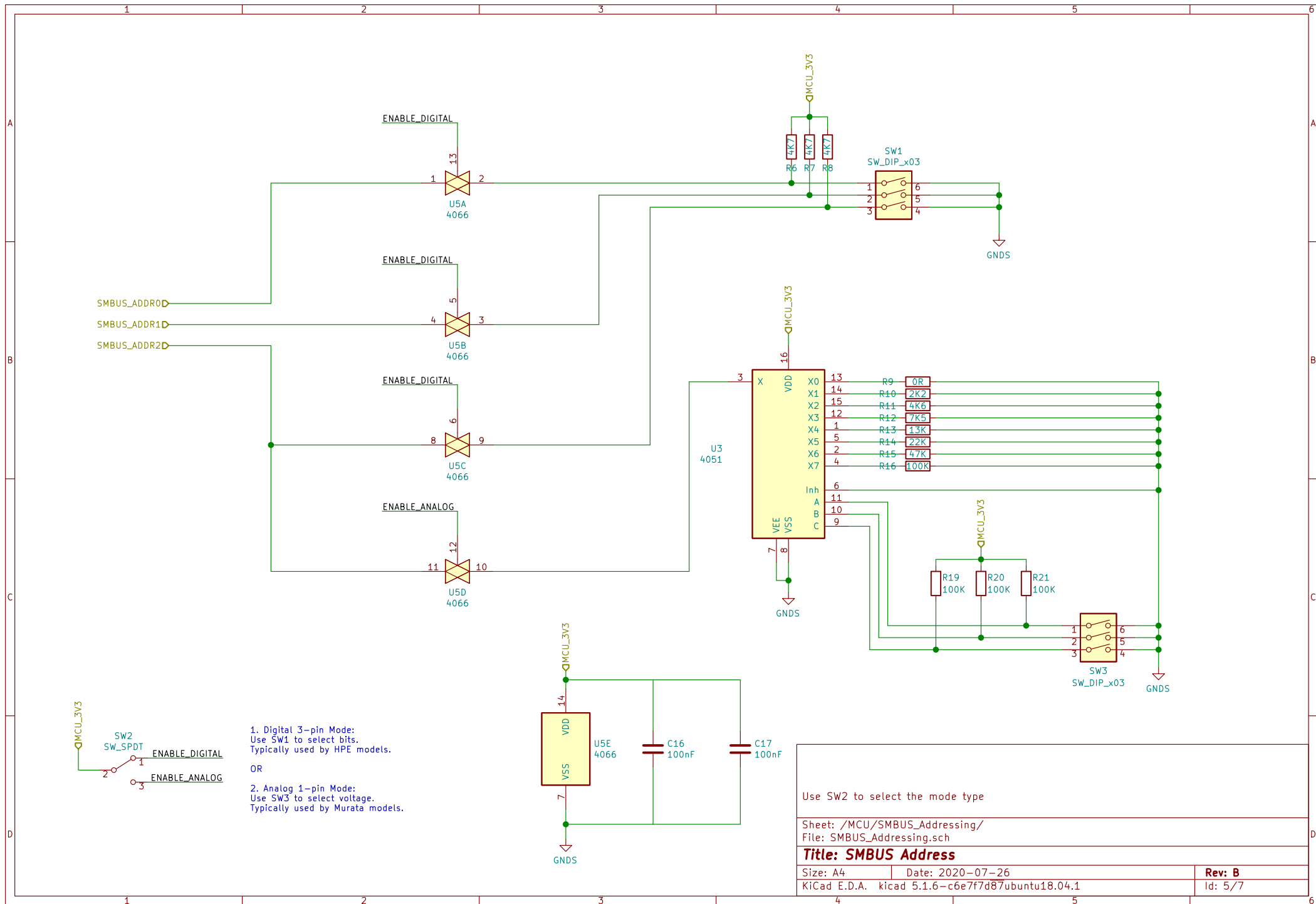


Sheet: /OutputConnectors/ File: OutputConnectors.sch		
<b>Title: High current output connctors</b>		
Size: A4	Date: 2020-07-26	Rev: B
KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1		Id: 2/7

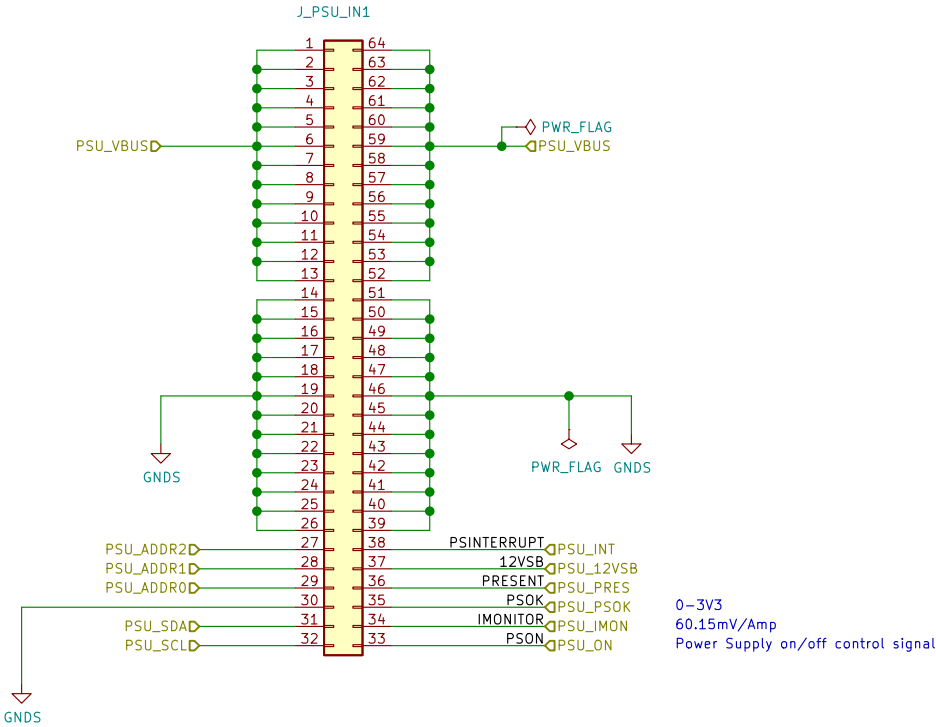


Sheet: /MCU/  
 File: MCU.sch  
**Title: Microcontroller**  
 Size: A3 Date: 2020-07-26 Rev: B  
 KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1 Id: 3/7

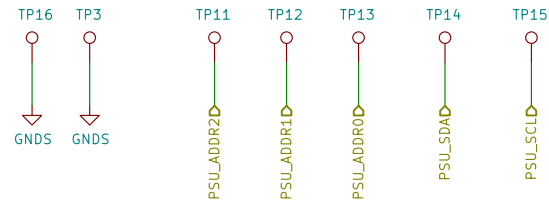




Card Slot Connector



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

Q1  
DMG2302U

MCU\_SW\_IN

GND5

## MCU/TFT Power

12VSB PIN CAN PROVIDE 2.5A WHILE PSU IS DISABLED

PSU\_12VSB  
PWR\_FLAG

C11  
1uF X5R 25V

U1  
LMR14206

VIN  
SHDN  
GND

GND5

C14  
220nF

L2  
18uH 150mOhm

D1  
SS14L

R17  
5.6K

R18  
1K

TP5  
TestPoint

PWR\_FLAG  
TFT\_5V

C15  
47uF X5R 10V

TestPoint  
TP6

U7  
AZ1117CR-3.3

VI  
GND  
VO

C8  
100nF

C9  
330nF

MCU\_3V3

GND5

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