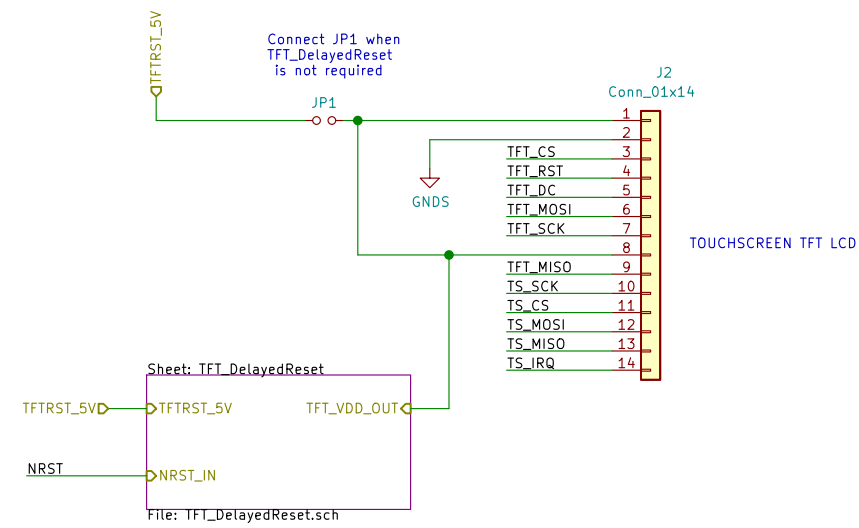
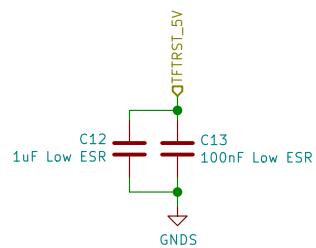
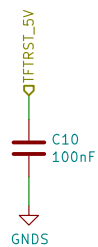
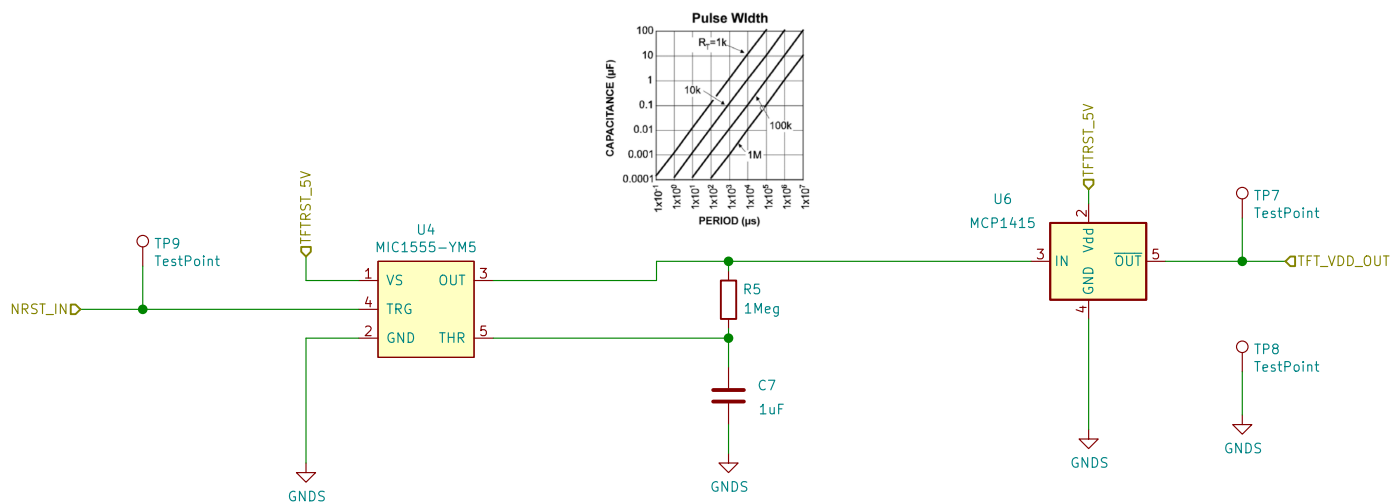


Sheet: /OutputConnectors/ File: OutputConnectors.sch		
Title: High current output connctors		
Size: A4	Date: 2020-07-26	Rev: A
KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1		Id: 2/7



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



Hard reset of TSC2046 touch controller IC. Needed for debug
 U3 may be omitted if buffer isn't required
 Fit only Q2 and U5....or only U6

Sheet: /MCU/TFT_DelayedReset/
 File: TFT_DelayedReset.sch

Title: TFT Delayed Reset

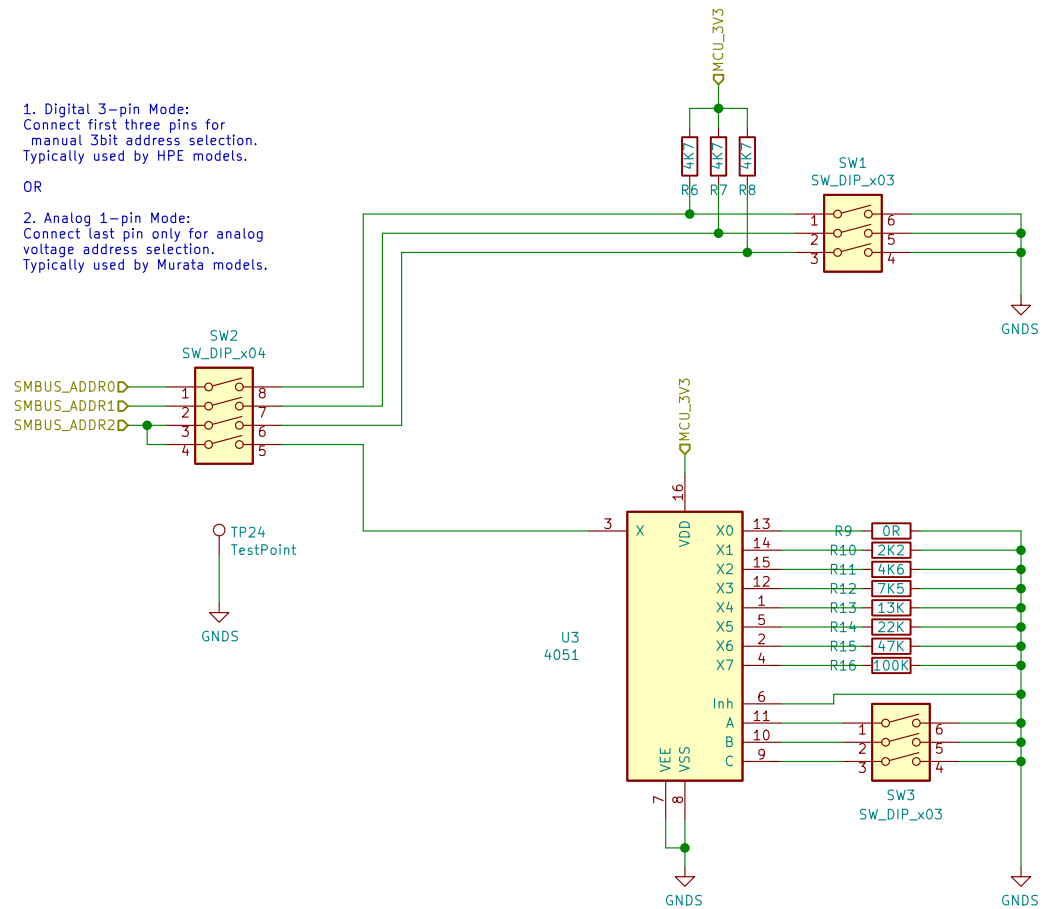
Size: A4 Date: 2020-07-26
 KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1

Rev: A
 Id: 4/7

1. Digital 3-pin Mode:
Connect first three pins for
manual 3bit address selection.
Typically used by HPE models.

OR

2. Analog 1-pin Mode:
Connect last pin only for analog
voltage address selection.
Typically used by Murata models.



Use SW2 to select the mode type

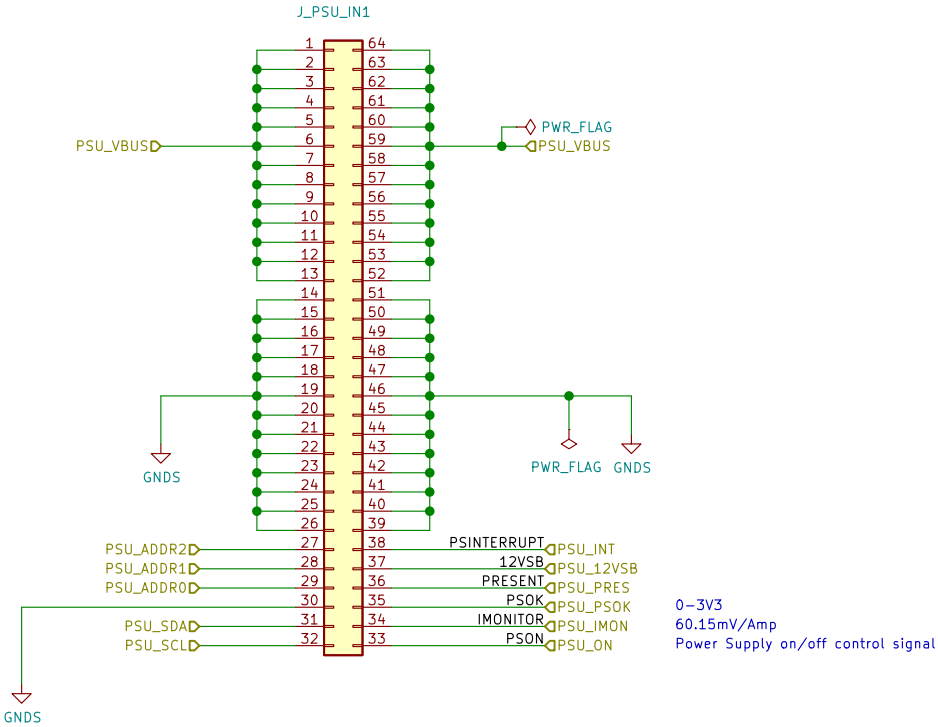
Sheet: /MCU/SMBUS_Addressing/
File: SMBUS_Addressing.sch

Title: SMBUS Address

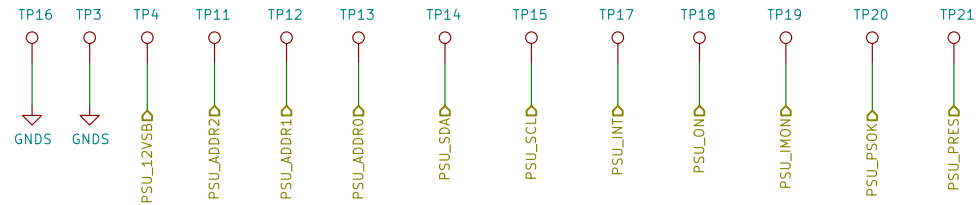
Size: A4 Date: 2020-07-26
KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1

Rev: A
Id: 5/7

Card Slot Connector



Testpoints



Sheet: /PSUConnector/ File: PSUConnector.sch		
Title: Card slot connector		
Size: A4	Date: 2020-07-26	Rev: A
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_PRES

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

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

PSU_ON

GND5

MCU/TFT Power

12VSB PIN CAN PROVIDE 2.5A WHILE PSU IS DISABLED

PSU_12VSB
PWR_FLAG

C11
4.7uF X5R 25V

U1
LMR14206

C14
200nF

L2
18uH 150mOhm

D1
SS14L

R17
5.6K

R18
1K

TP5
TestPoint

PWR_FLAG
TFT_5V

C15
33uF X5R 10V

TestPoint
TP6

U7
AZ1117CR-3.3

C8
100nF

C9
100nF

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: A

Id: 7/7