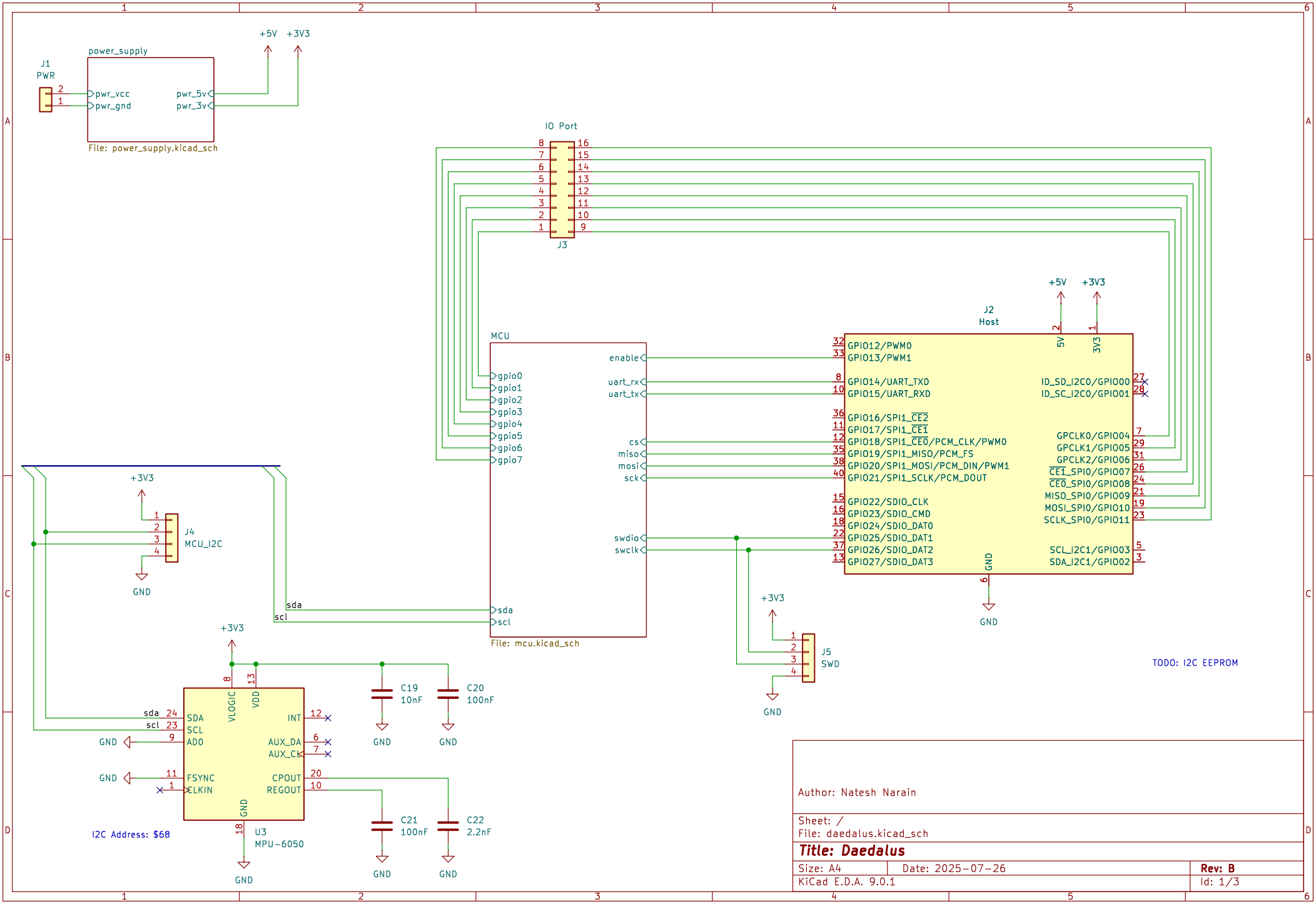
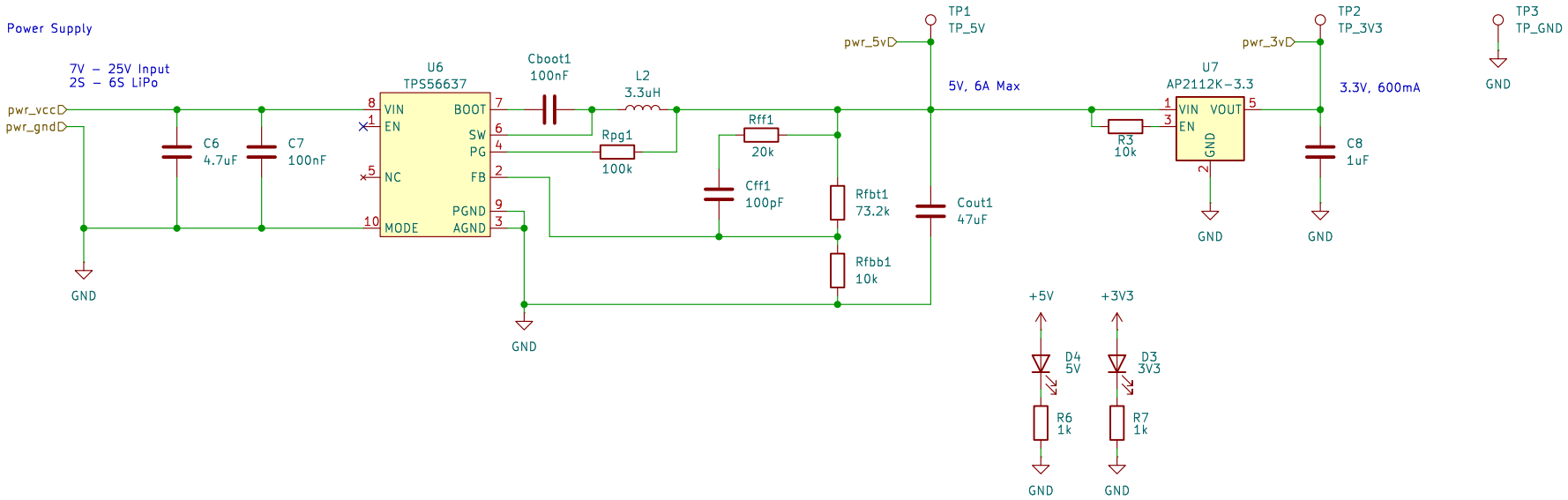
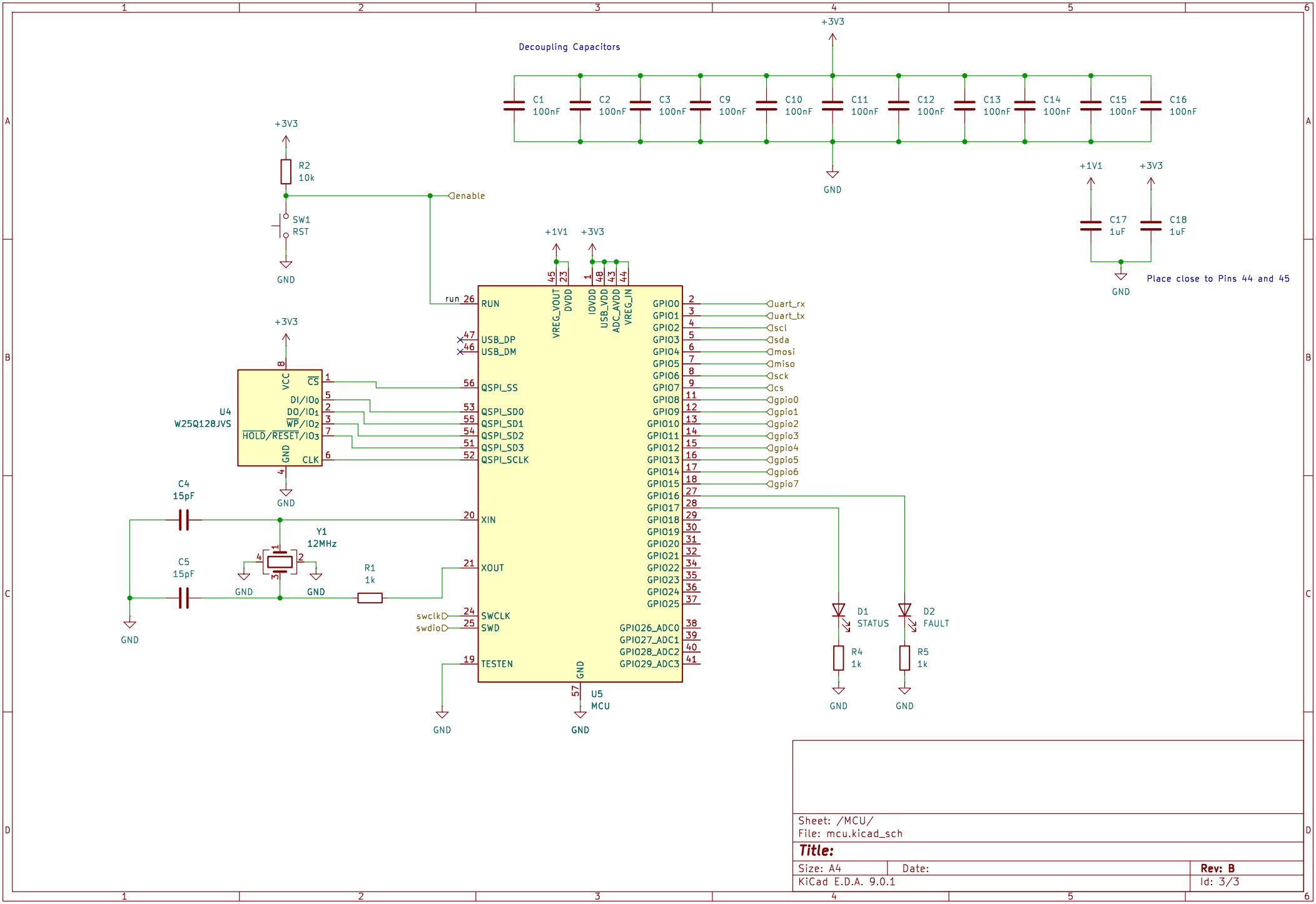

power_supply
J1
PWR
pwr_vcc
pwr_gnd
pwr_5v
pwr_3v
+5V
+3V3
File: power_supply.kicad_sch
IO Port
J3
MCU
gpio0
gpio1
gpio2
gpio3
gpio4
gpio5
gpio6
gpio7
enable
uart_rx
uart_tx
cs
miso
mosi
sck
swdio
swclk
sda
scl
File: mcu.kicad_sch
J2
Host
GPIO12/PWM0
GPIO13/PWM1
GPIO14/UART_TXD
GPIO15/UART_RXD
GPIO16/SPI1_CE2
GPIO17/SPI1_CE1
GPIO18/SPI1_CE0/PCM_CLK/PWM0
GPIO19/SPI1_MISO/PCM_FS
GPIO20/SPI1_MOSI/PCM_DIN/PWM1
GPIO21/SPI1_SCLK/PCM_DOUT
GPIO22/SDIO_CLK
GPIO23/SDIO_CMD
GPIO24/SDIO_DAT0
GPIO25/SDIO_DAT1
GPIO26/SDIO_DAT2
GPIO27/SDIO_DAT3
ID_SD_I2C0/GPIO00
ID_SC_I2C0/GPIO01
GPCLK0/GPIO04
GPCLK1/GPIO05
GPCLK2/GPIO06
CE1_SPI0/GPIO07
CE0_SPI0/GPIO08
MISO_SPI0/GPIO09
MOSI_SPI0/GPIO10
SCLK_SPI0/GPIO11
SCL_I2C1/GPIO03
SDA_I2C1/GPIO02
5V
3V3
GND
J4
MCU_I2C
J5
SWD
U3
MPU-6050
SDA
SCL
ADO
FSYNC
CLKIN
VLOGIC
VDD
INT
AUX_DA
AUX_CL
CPOUT
REGOUT
I2C Address: $68
C19
10nF
C20
100nF
C21
100nF
C22
2.2nF
TODO: I2C EEPROM
Author: Natesh Narain
Sheet: /
File: daedalus.kicad_sch
Title: Daedalus
Size: A4
Date: 2025-07-26
Rev: B
KiCad E.D.A. 9.0.1
Id: 1/3



Author: Natesh Narain		
Sheet: /power_supply/ File: power_supply.kicad_sch		
Title: Daedalus Power Supply		
Size: A4	Date: 2025-06-14	**Rev: B**
KiCad E.D.A. 9.0.1		Id: 2/3


Decoupling Capacitors
+3V3
C1 100nF
C2 100nF
C3 100nF
C9 100nF
C10 100nF
C11 100nF
C12 100nF
C13 100nF
C14 100nF
C15 100nF
C16 100nF
GND
+1V1
+3V3
C17 1uF
C18 1uF
GND
Place close to Pins 44 and 45
R2 10k
SW1 RST
GND
enable
run
RUN
USB_DP
USB_DM
QSPI_SS
QSPI_SD0
QSPI_SD1
QSPI_SD2
QSPI_SD3
QSPI_SCLK
XIN
XOUT
SWCLK
SWD
TESTEN
VREG_VOUT
DVDD
IOVDD
USB_VDD
ADC_AVDD
VREG_IN
GND
U5 MCU
U4 W25Q128JVS
VCC
CS
DI/IO0
DO/IO1
WP/IO2
HOLD/RESET/IO3
CLK
C4 15pF
C5 15pF
Y1 12MHz
R1 1k
swclk
swdio
GPIO0 uart_rx
GPIO1 uart_tx
GPIO2 scl
GPIO3 sda
GPIO4 mosi
GPIO5 miso
GPIO6 sck
GPIO7 cs
GPIO8 gpio0
GPIO9 gpio1
GPIO10 gpio2
GPIO11 gpio3
GPIO12 gpio4
GPIO13 gpio5
GPIO14 gpio6
GPIO15 gpio7
GPIO16
GPIO17
GPIO18
GPIO19
GPIO20
GPIO21
GPIO22
GPIO23
GPIO24
GPIO25
GPIO26_ADC0
GPIO27_ADC1
GPIO28_ADC2
GPIO29_ADC3
D1 STATUS
D2 FAULT
R4 1k
R5 1k
Sheet: /MCU/
File: mcu.kicad_sch
Title:
Size: A4
Date:
Rev: B
KiCad E.D.A. 9.0.1
Id: 3/3