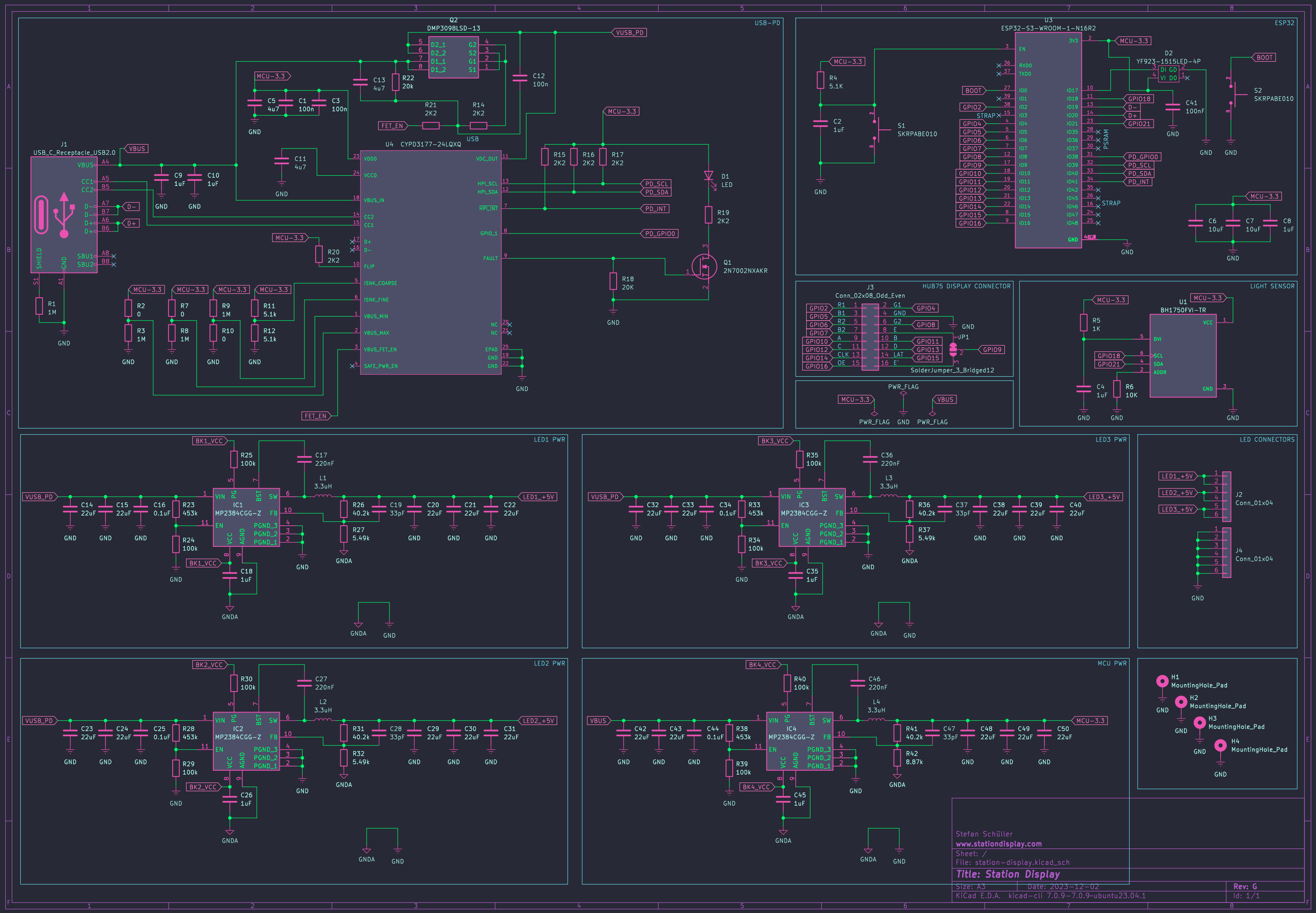
USB-PD
Q2
DMP3098LSD-13
VUSB_PD
C12
100n
C13
4u7
R22
20k
R21
2K2
R14
2K2
FET_EN
USB
MCU-3.3
C5
4u7
C1
100n
C3
100n
GND
J1
USB_C_Receptacle_USB2.0
VBUS
C9
1uF
C10
1uF
C11
4u7
D-
D+
SHIELD
R1
1M
U4 CYPD3177-24LQXQ
VDDD
VCCD
VBUS_IN
CC2
CC1
FLIP
ISNK_COARSE
ISNK_FINE
VBUS_MIN
VBUS_MAX
VBUS_FET_EN
SAFE_PWR_EN
VDC_OUT
HPI_SCL
HPI_SDA
HPI_INT
GPIO_1
FAULT
NC
EPAD
PD_SCL
PD_SDA
PD_INT
PD_GPIO0
R20
2K2
R2
0
R3
1M
R7
0
R8
1M
R9
1M
R10
0
R11
5.1k
R12
5.1k
R15
2K2
R16
2K2
R17
2K2
D1
LED
R19
2K2
Q1
2N7002NXAKR
R18
20K
ESP32
U3
ESP32-S3-WROOM-1-N16R2
R4
5.1K
C2
1uF
S1
SKRPABE010
EN
RXD0
TXD0
BOOT
GPIO2
STRAP
GPIO4
GPIO5
GPIO6
GPIO7
GPIO8
GPIO9
GPIO10
GPIO11
GPIO12
GPIO13
GPIO14
GPIO15
GPIO16
3V3
GPIO18
GPIO21
D-
D+
PSRAM
PD_GPIO0
PD_SCL
PD_SDA
PD_INT
D2
YF923-1515LED-4P
C41
100nF
S2
SKRPABE010
C6
10uF
C7
10uF
C8
1uF
HUB75 DISPLAY CONNECTOR
J3
Conn_02x08_Odd_Even
R1
B1
R2
B2
A
C
CLK
OE
G1
GND
G2
E
B
D
LAT
E'
JP1
SolderJumper_3_Bridged12
PWR_FLAG
LIGHT SENSOR
U1
BH1750FVI-TR
VCC
DVI
SCL
SDA
ADDR
R5
1K
C4
1uF
R6
10K
LED1 PWR
BK1_VCC
R25
100k
C17
220nF
L1
3.3uH
IC1
MP2384CGG-Z
VIN
PG
BST
SW
FB
EN
VCC
AGND
PGND_3
PGND_2
PGND_1
C14
22uF
C15
22uF
C16
0.1uF
R23
453k
R24
100k
C18
1uF
R26
40.2k
R27
5.49k
C19
33pF
C20
22uF
C21
22uF
C22
22uF
LED1_+5V
GNDA
LED3 PWR
BK3_VCC
R35
100k
C36
220nF
L3
3.3uH
IC3
MP2384CGG-Z
C32
22uF
C33
22uF
C34
0.1uF
R33
453k
R34
100k
C35
1uF
R36
40.2k
R37
5.49k
C37
33pF
C38
22uF
C39
22uF
C40
22uF
LED3_+5V
LED CONNECTORS
LED1_+5V
LED2_+5V
LED3_+5V
J2
Conn_01x04
J4
Conn_01x04
LED2 PWR
BK2_VCC
R30
100k
C27
220nF
L2
3.3uH
IC2
MP2384CGG-Z
C23
22uF
C24
22uF
C25
0.1uF
R28
453k
R29
100k
C26
1uF
R31
40.2k
R32
5.49k
C28
33pF
C29
22uF
C30
22uF
C31
22uF
LED2_+5V
MCU PWR
BK4_VCC
R40
100k
C46
220nF
L4
3.3uH
IC4
MP2384CGG-Z
VBUS
C42
22uF
C43
22uF
C44
0.1uF
R38
453k
R39
100k
C45
1uF
R41
40.2k
R42
8.87k
C47
33pF
C48
22uF
C49
22uF
C50
22uF
MCU-3.3
H1
MountingHole_Pad
H2
MountingHole_Pad
H3
MountingHole_Pad
H4
MountingHole_Pad
Stefan Schüller
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Sheet: /
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Title: Station Display
Size: A3
Date: 2023-12-02
Rev: G
KiCad E.D.A. kicad-cli 7.0.9-7.0.9~ubuntu23.04.1
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