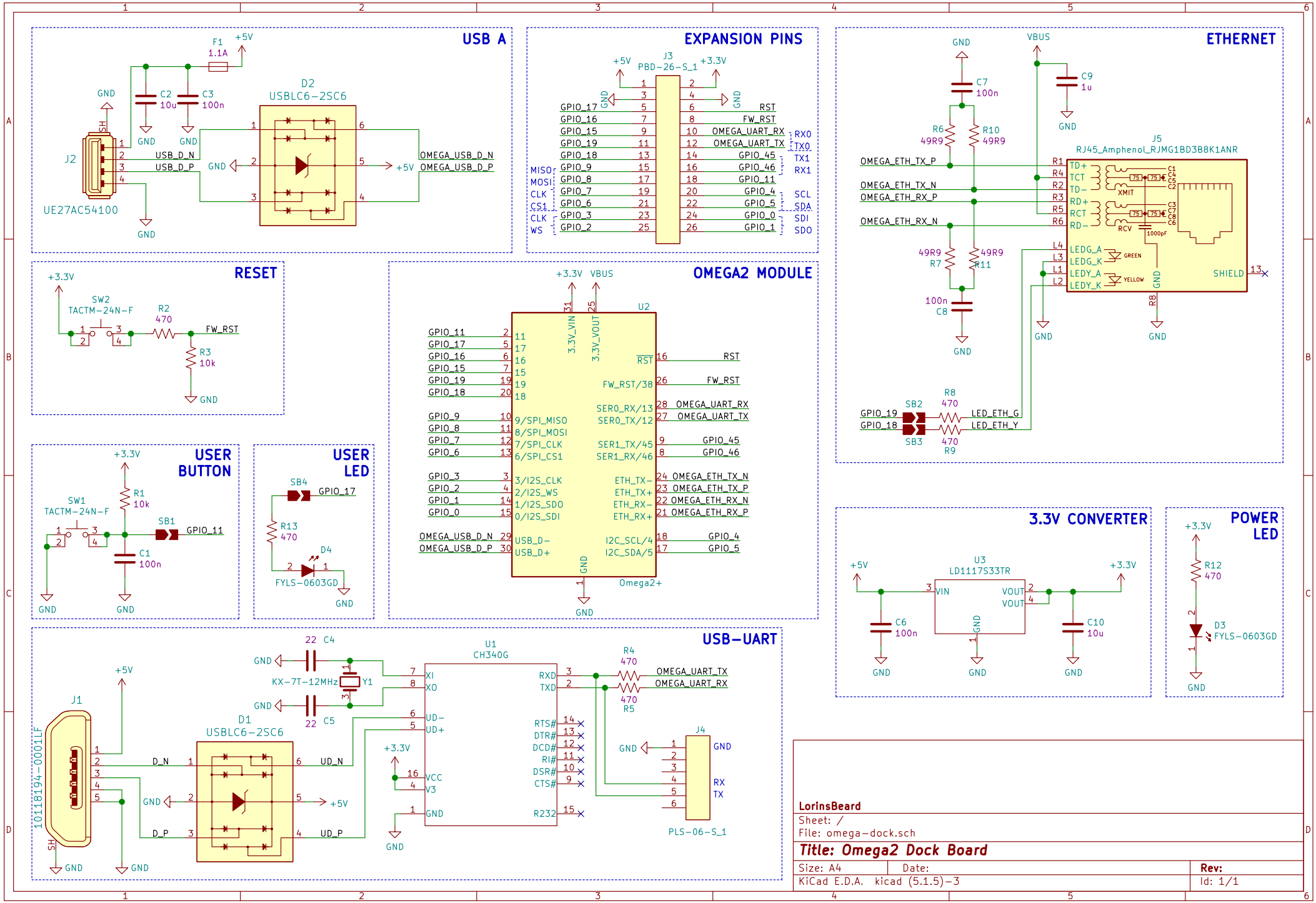
USB A
F1
1.1A
+5V
GND
C2
10u
C3
100n
D2
USBLC6-2SC6
J2
UE27AC54100
USB_D_N
USB_D_P
OMEGA_USB_D_N
OMEGA_USB_D_P
EXPANSION PINS
J3
PBD-26-S_1
+3.3V
GPIO_17
GPIO_16
GPIO_15
GPIO_19
GPIO_18
GPIO_9
GPIO_8
GPIO_7
GPIO_6
GPIO_3
GPIO_2
RST
FW_RST
OMEGA_UART_RX
OMEGA_UART_TX
GPIO_45
GPIO_46
GPIO_11
GPIO_4
GPIO_5
GPIO_0
GPIO_1
MISO
MOSI
CLK
CS1
WS
RX0
TX0
TX1
RX1
SCL
SDA
SDI
SDO
ETHERNET
VBUS
C7
100n
C9
1u
R6
49R9
R10
49R9
J5
RJ45_Amphenol_RJMG1BD3B8K1ANR
OMEGA_ETH_TX_P
OMEGA_ETH_TX_N
OMEGA_ETH_RX_P
OMEGA_ETH_RX_N
TD+
TCT
TD-
RD+
RCT
RD-
XMIT
RCV
1000pF
LEDG_A
LEDG_K
LEDY_A
LEDY_K
GREEN
YELLOW
SHIELD
R7
R11
C8
100n
R8
470
SB2
SB3
GPIO_19
GPIO_18
LED_ETH_G
LED_ETH_Y
R9
470
RESET
SW2
TACTM-24N-F
R2
470
FW_RST
R3
10k
OMEGA2 MODULE
U2
3.3V_VIN
3.3V_VOUT
RST
FW_RST/38
SER0_RX/13
SER0_TX/12
SER1_TX/45
SER1_RX/46
9/SPI_MISO
8/SPI_MOSI
7/SPI_CLK
6/SPI_CS1
3/I2S_CLK
2/I2S_WS
1/I2S_SDO
0/I2S_SDI
USB_D-
USB_D+
ETH_TX-
ETH_TX+
ETH_RX-
ETH_RX+
I2C_SCL/4
I2C_SDA/5
Omega2+
USER BUTTON
SW1
TACTM-24N-F
R1
10k
SB1
C1
100n
USER LED
SB4
R13
470
D4
FYLS-0603GD
3.3V CONVERTER
U3
LD1117S33TR
VIN
VOUT
C6
100n
C10
10u
POWER LED
R12
470
D3
FYLS-0603GD
USB-UART
J1
10118194-0001LF
D1
USBLC6-2SC6
D_N
D_P
UD_N
UD_P
C4
22
C5
22
KX-7T-12MHz
Y1
U1
CH340G
XI
XO
UD-
UD+
VCC
V3
RXD
TXD
RTS#
DTR#
DCD#
RI#
DSR#
CTS#
R232
R4
470
R5
470
OMEGA_UART_TX
OMEGA_UART_RX
J4
PLS-06-S_1
RX
TX
LorinsBeard
Sheet: /
File: omega-dock.sch
Title: Omega2 Dock Board
Size: A4
Date:
Rev:
KiCad E.D.A. kicad (5.1.5)-3
Id: 1/1