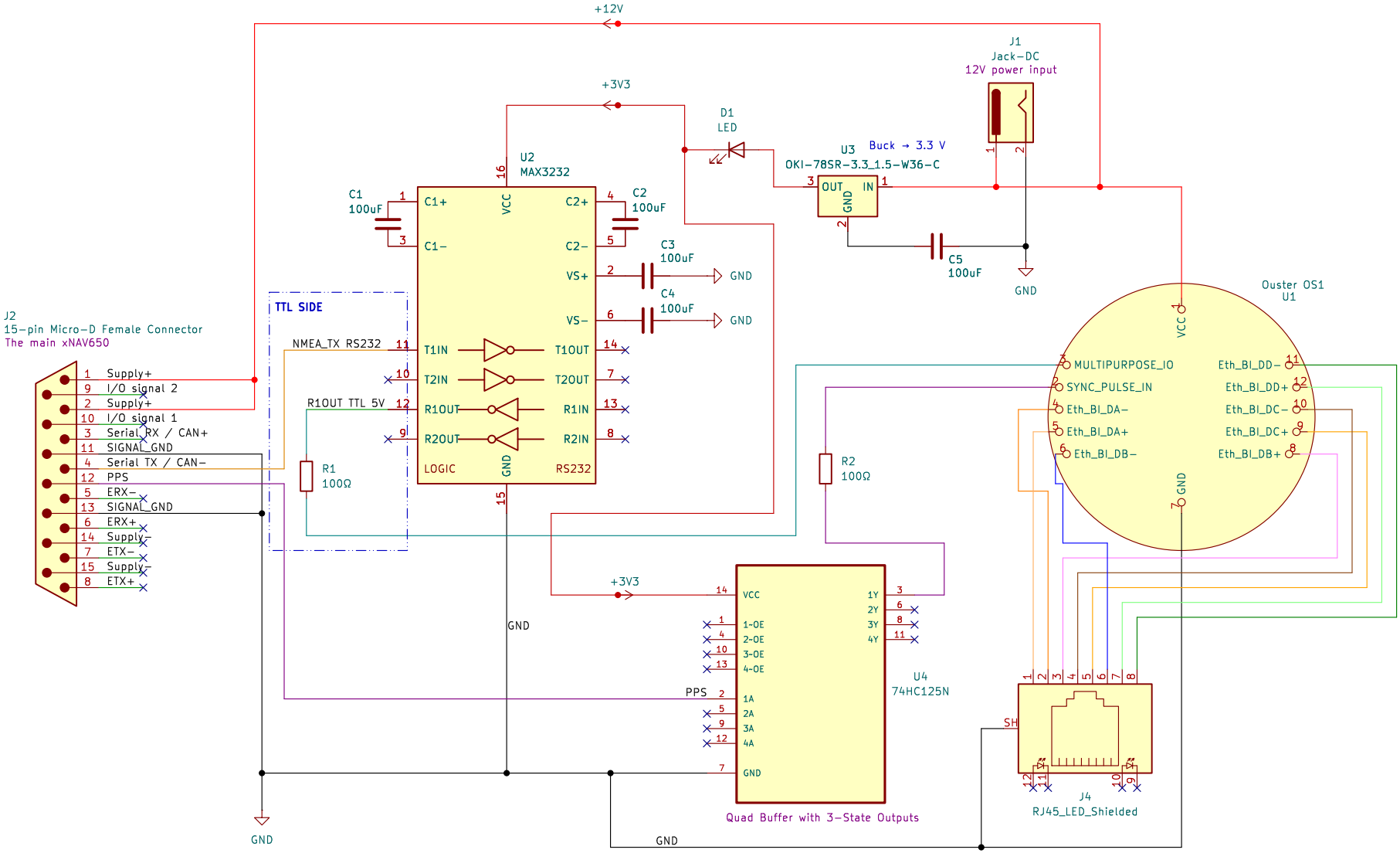
+12V
+3V3
J1
Jack-DC
12V power input
D1
LED
U3
Buck → 3.3 V
OKI-78SR-3.3_1.5-W36-C
U2
MAX3232
C1
100uF
C2
100uF
C3
100uF
C4
100uF
C5
100uF
GND
TTL SIDE
J2
15-pin Micro-D Female Connector
The main xNAV650
NMEA_TX RS232
R1OUT TTL 5V
R1
100Ω
R2
100Ω
Ouster OS1
U1
MULTIPURPOSE_IO
SYNC_PULSE_IN
Eth_BI_DA-
Eth_BI_DA+
Eth_BI_DB-
Eth_BI_DD-
Eth_BI_DD+
Eth_BI_DC-
Eth_BI_DC+
Eth_BI_DB+
U4
74HC125N
Quad Buffer with 3-State Outputs
PPS
SH
J4
RJ45_LED_Shielded
GitHub Link
Vladyslav Hirchuk – git: SoloScriptSage
Sheet: /
File: XNAVOUSTER.kicad_sch
Title: xNAV650 to Ouster OS1 Adapter
Size: A4
Date: 2025-11-14
Rev: 1.0
KiCad E.D.A. 9.0.2
Id: 1/1