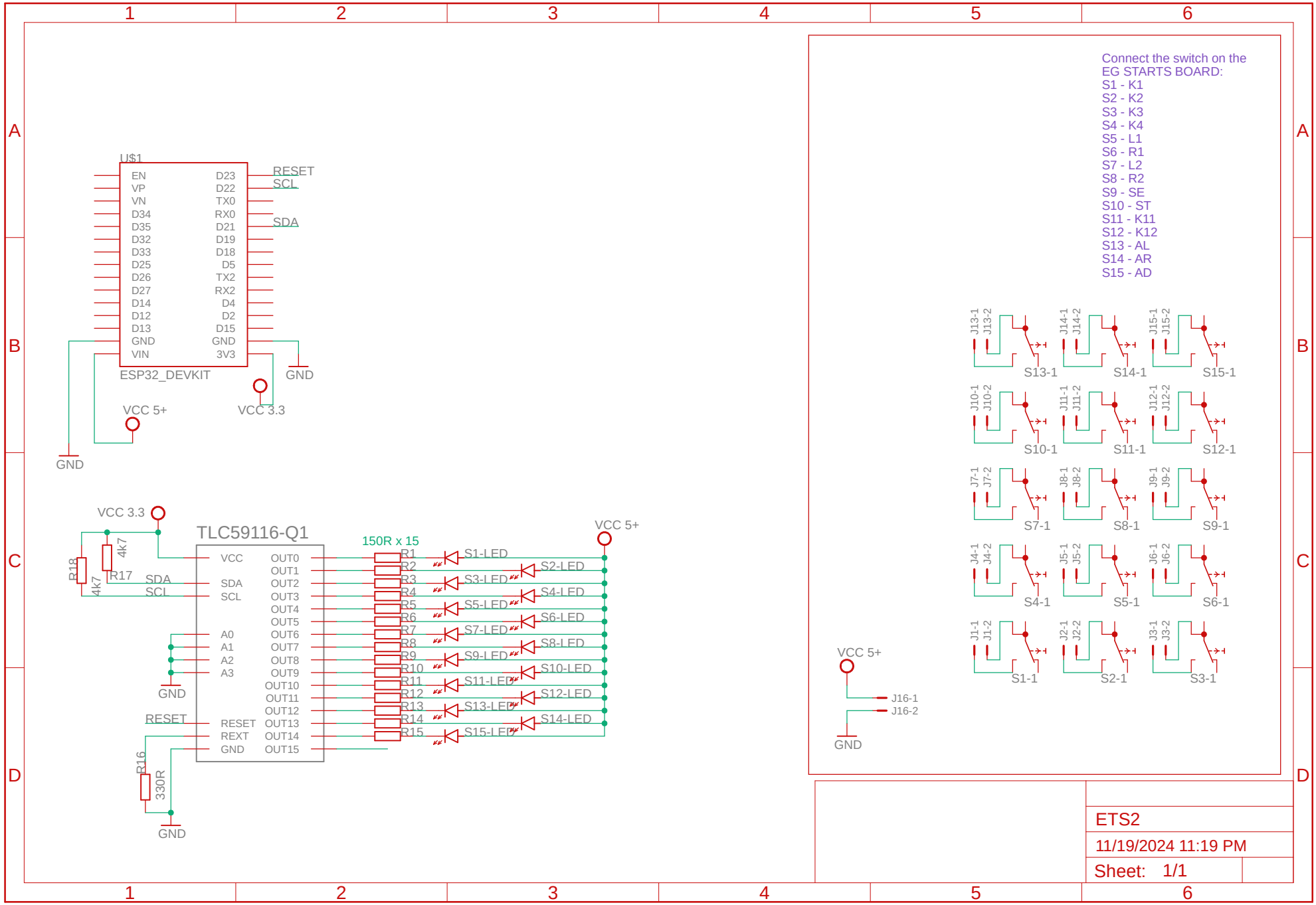
Connect the switch on the
EG STARTS BOARD:
S1 - K1
S2 - K2
S3 - K3
S4 - K4
S5 - L1
S6 - R1
S7 - L2
S8 - R2
S9 - SE
S10 - ST
S11 - K11
S12 - K12
S13 - AL
S14 - AR
S15 - AD
U$1
EN
VP
VN
D34
D35
D32
D33
D25
D26
D27
D14
D12
D13
GND
VIN
D23
D22
TX0
RX0
D21
D19
D18
D5
TX2
RX2
D4
D2
D15
GND
3V3
RESET
SCL
SDA
ESP32_DEVKIT
GND
VCC 5+
VCC 3.3
GND
VCC 3.3
TLC59116-Q1
R18
4k7
R17
4k7
SDA
SCL
VCC
SDA
SCL
A0
A1
A2
A3
GND
RESET
RESET
REXT
GND
OUT0
OUT1
OUT2
OUT3
OUT4
OUT5
OUT6
OUT7
OUT8
OUT9
OUT10
OUT11
OUT12
OUT13
OUT14
OUT15
R16
330R
GND
150R x 15
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
S1-LED
S2-LED
S3-LED
S4-LED
S5-LED
S6-LED
S7-LED
S8-LED
S9-LED
S10-LED
S11-LED
S12-LED
S13-LED
S14-LED
S15-LED
VCC 5+
VCC 5+
J16-1
J16-2
GND
J13-1
J13-2
S13-1
J14-1
J14-2
S14-1
J15-1
J15-2
S15-1
J10-1
J10-2
S10-1
J11-1
J11-2
S11-1
J12-1
J12-2
S12-1
J7-1
J7-2
S7-1
J8-1
J8-2
S8-1
J9-1
J9-2
S9-1
J4-1
J4-2
S4-1
J5-1
J5-2
S5-1
J6-1
J6-2
S6-1
J1-1
J1-2
S1-1
J2-1
J2-2
S2-1
J3-1
J3-2
S3-1
ETS2
11/19/2024 11:19 PM
Sheet: 1/1