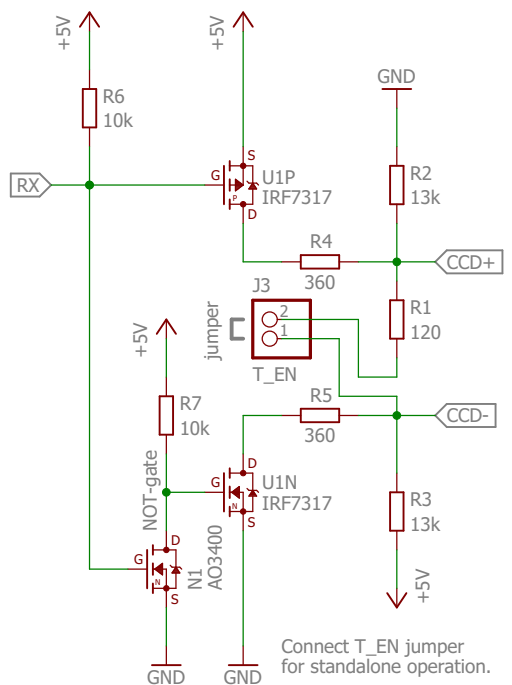


CCD-bus transmitter

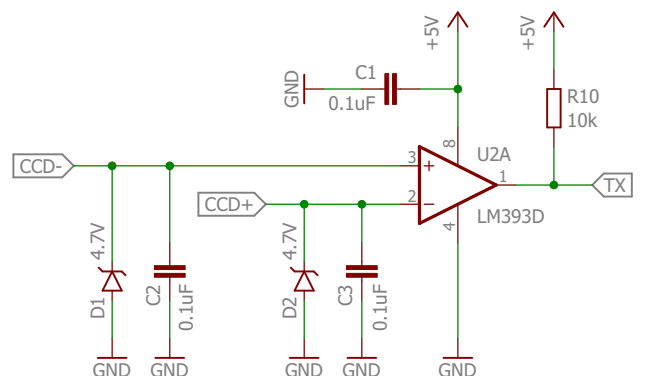


R4/R5: 360 Ω ... 1000 Ω $I=5/(360+120+360)=6\text{ mA}$

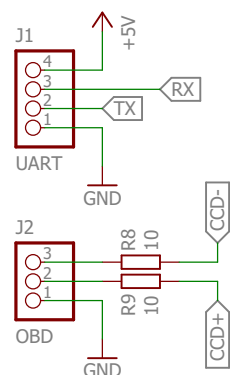
| RX | CCD+ | CCD- | ΔV | |
|-----|--------|--------|------------|---------|
| Z/1 | 2.488V | 2.512V | -0.024V | LOGIC 1 |
| 0 | 2.860V | 2.140V | +0.720V | LOGIC 0 |

Z=INPUT/HIGH-Z, 1=5V, 0=0V

CCD-bus receiver



Connectors



Changelog:

V1.00: original

V1.01:
- mounting holes removed,
- board size reduced.

V1.02:
- copper trace width reduced to 0.6 mm,
- D1 and D2 Zener-diode values increased to 4.7V;
previous lower value (3.3V) may interfere with the CCD-bus
wake-up signal (3.5V minimum).



open hardware

CCD-bus Transceiver

CCDBusTransceiver_V102

2020. 06. 10. 14:36

László Dániel

Sheet: 1/1

A4

Rev: V1.02