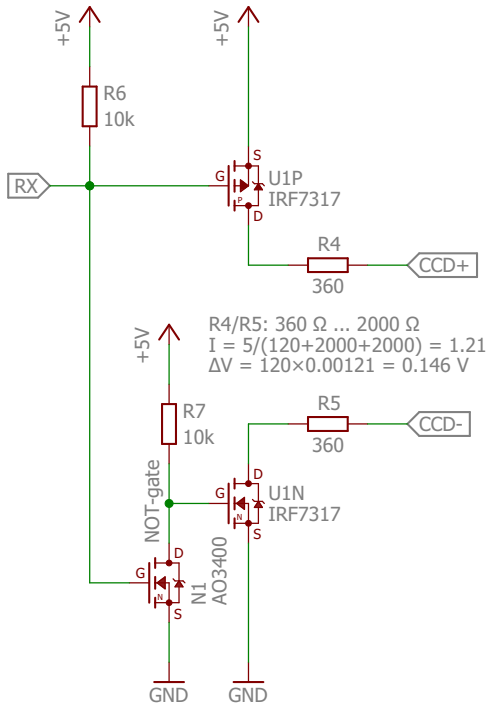
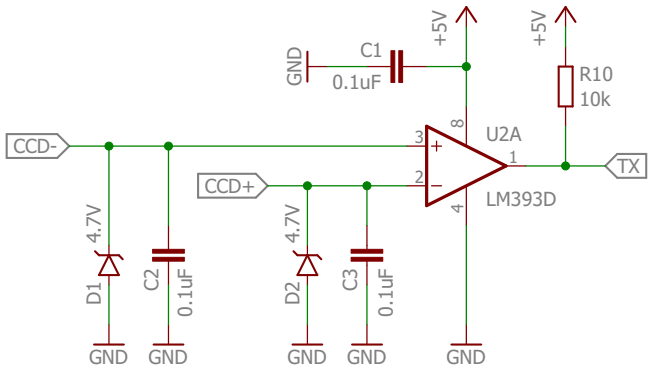
CCD-bus transmitter



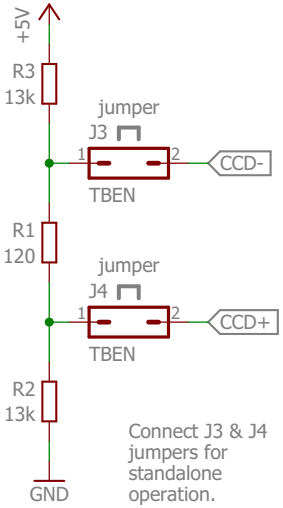
RX	CCD+	CCD-	ΔV	
Z/1	2.488V	2.512V	-0.024V	
0	2.860V	2.140V	+0.720V	R4/R5=360
0	2.573V	2.427V	+0.146V	R4/R5=2000

RX:
Z=INPUT/HIGH-Z
1=5V
0=GND

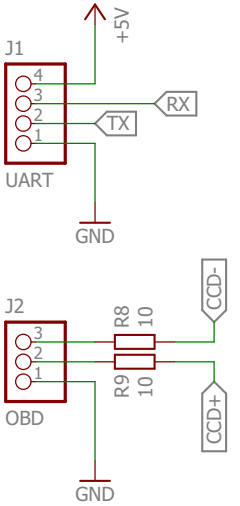
CCD-bus receiver



CCD-bus termination and bias



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).

V1.03:
- copper trace width reduced to 0.5 mm,
- CCD-bus termination and bias separated completely with 2 jumpers.

open hardware

CCD-bus Transceiver		
CCDBusTransceiver_V103		
2020. 07. 15. 12:47		László Dániel
Sheet: 1/1	A4	Rev: V1.03