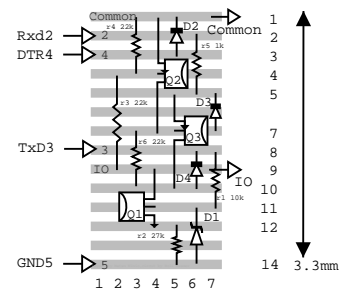
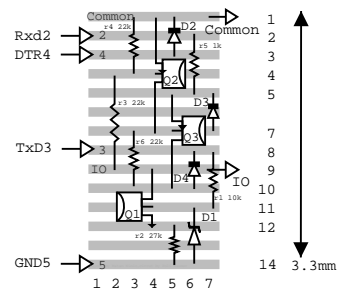
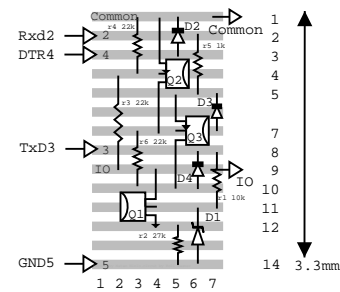
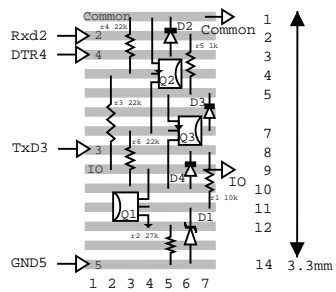


id	quantity	part
Q1	1	BC546 (NPN, 100mA)
Q2, Q3	2	BC556 (PNP, 100mA)
D1	1	BZX55C4V3 (zener 4.3V 0.5W)
D2...D4	3	1N4148 (100mA silicon diode)
R1	1	10kΩ
R2	1	27kΩ
R3, R4, R6	3	22kΩ
R5	1	1kΩ



tests:

input		output	
DTR4	TxD3	out	Rxd2
+9v	+9v	~3v	+8v
+9v	-9v	0v	-8v

and you are set