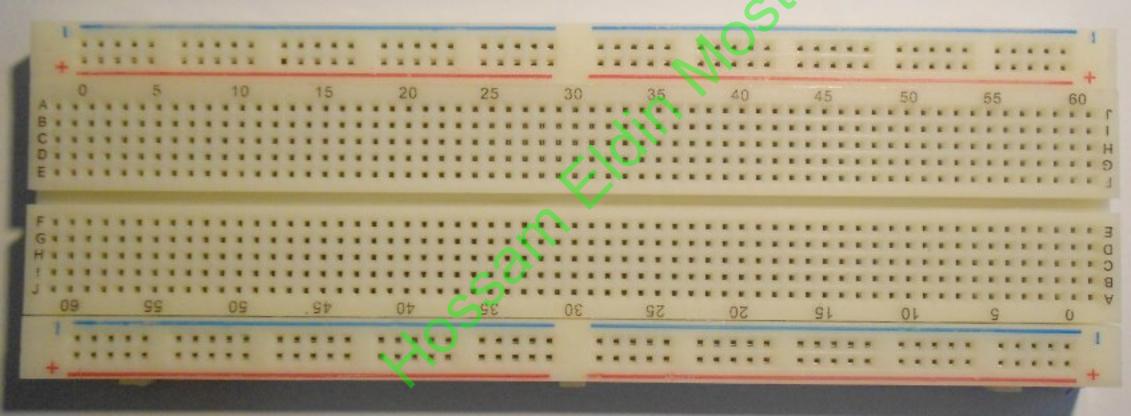
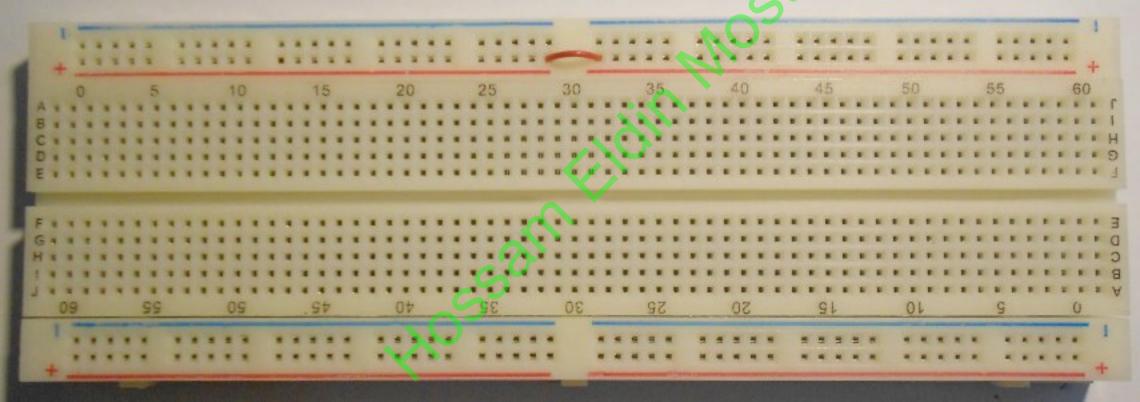
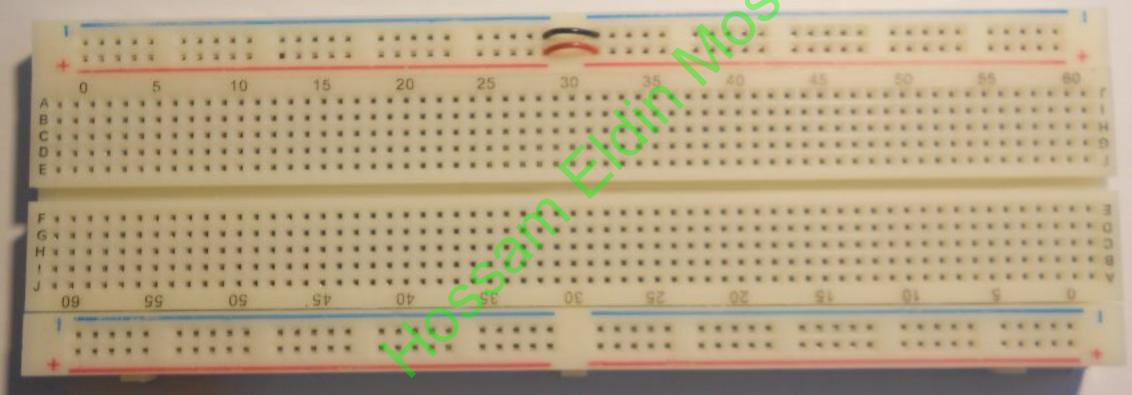
LAB 1

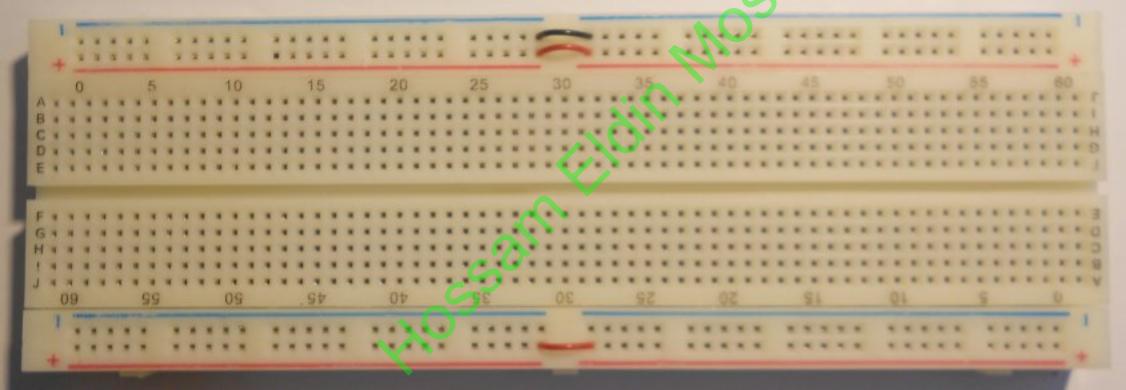
General 3.3V – 5.0V Micorcontroller/FPGA Supply, Programming, and Debugging Circuit

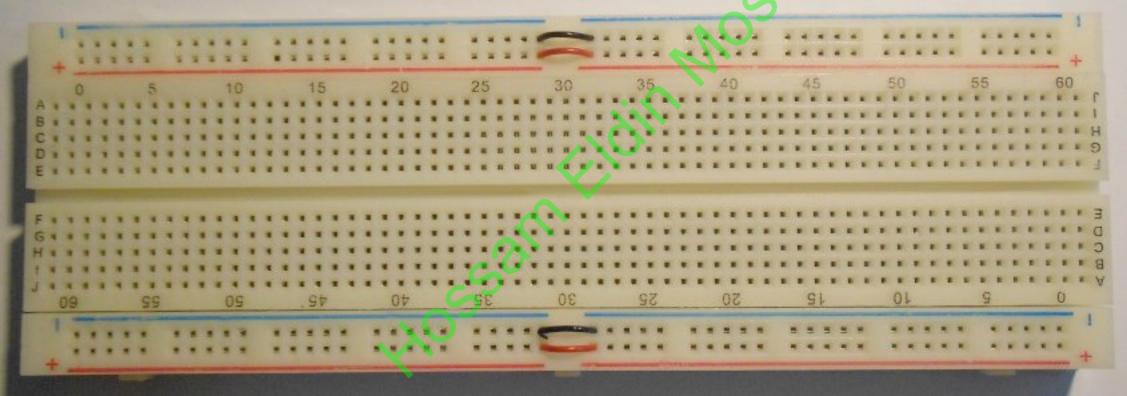
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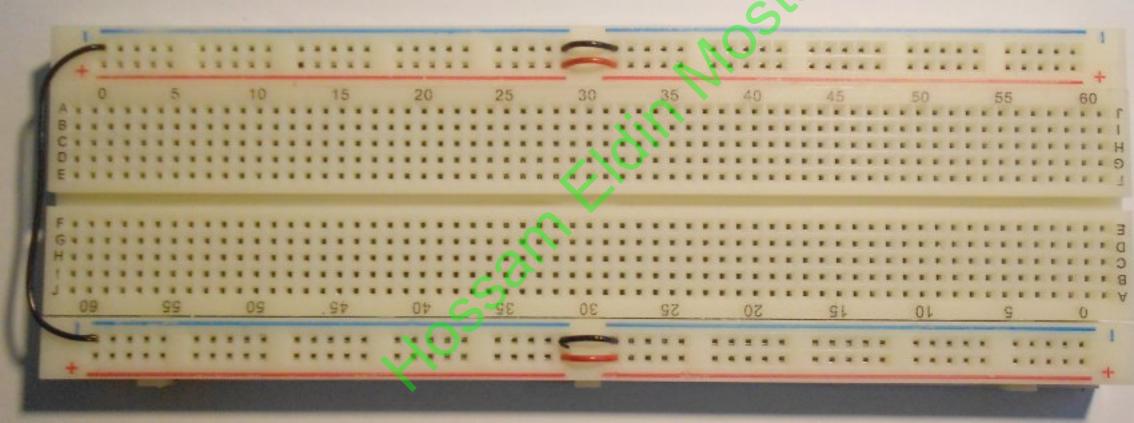


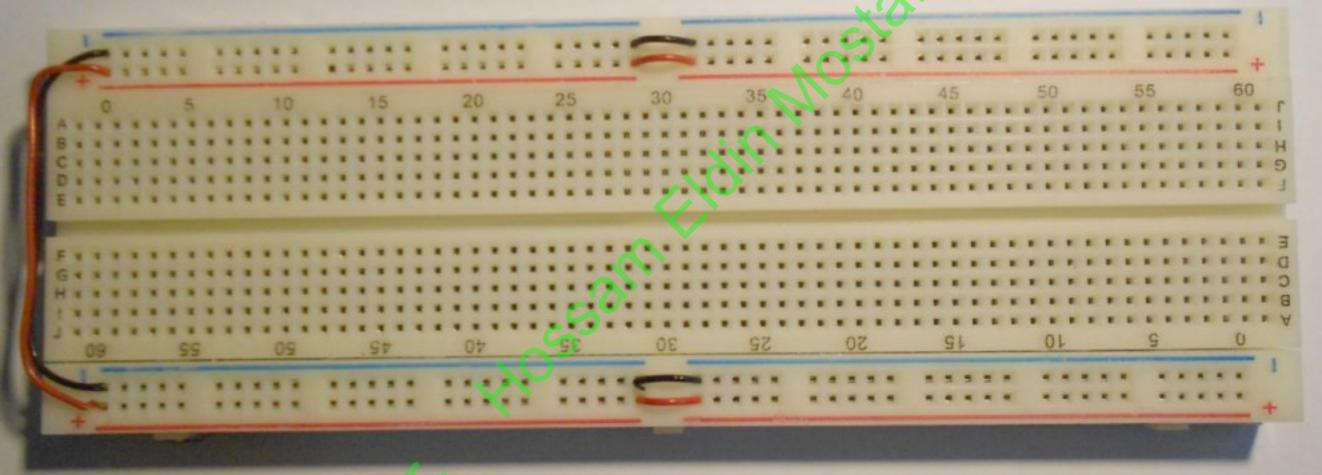


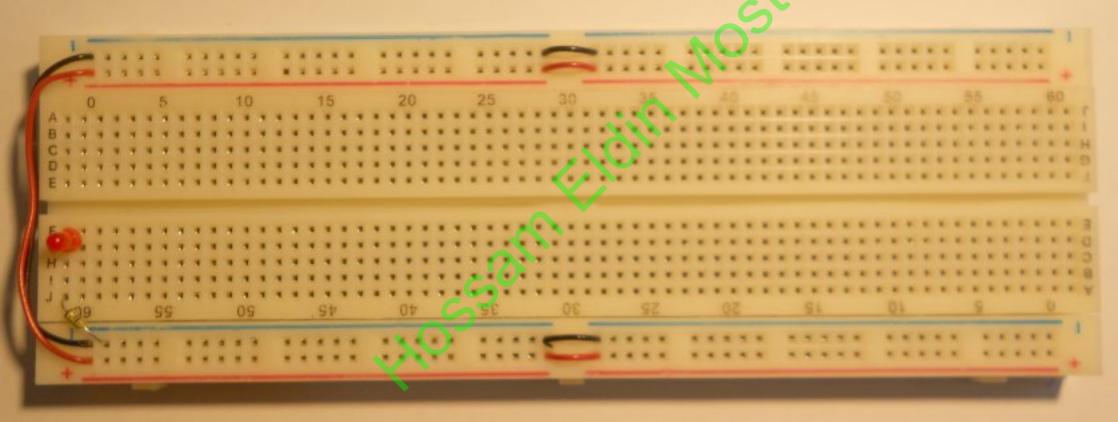


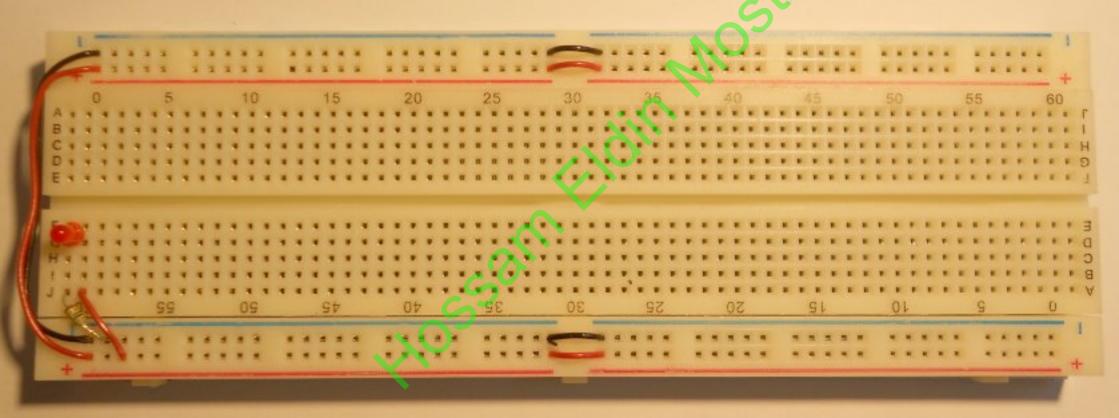


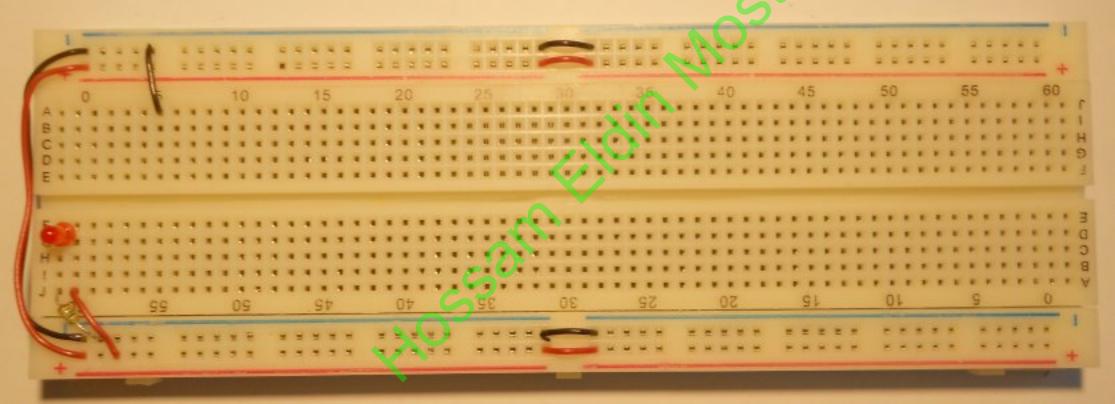


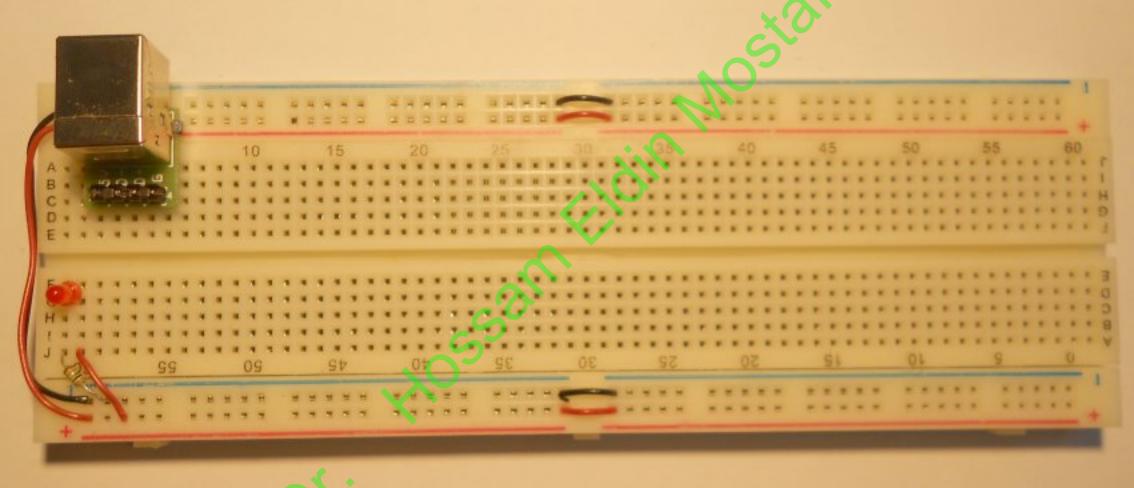


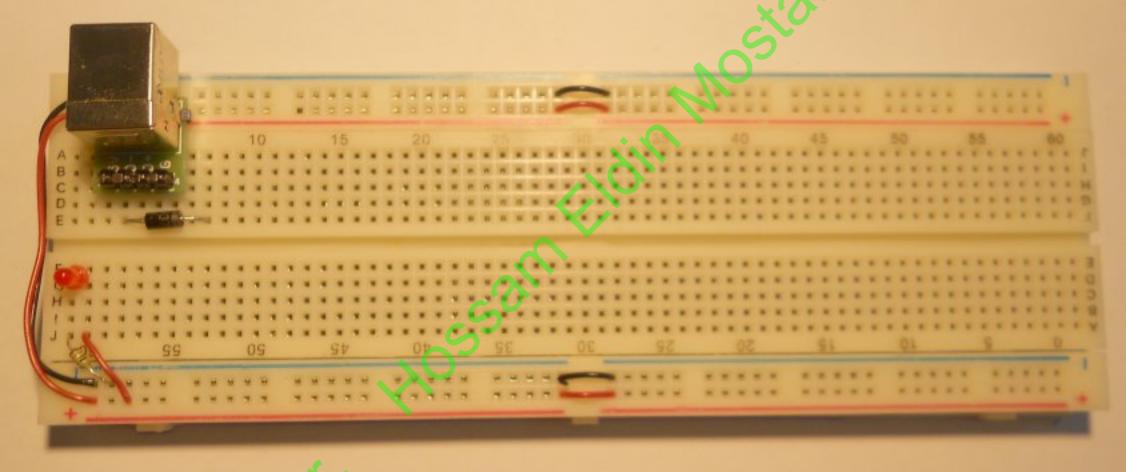


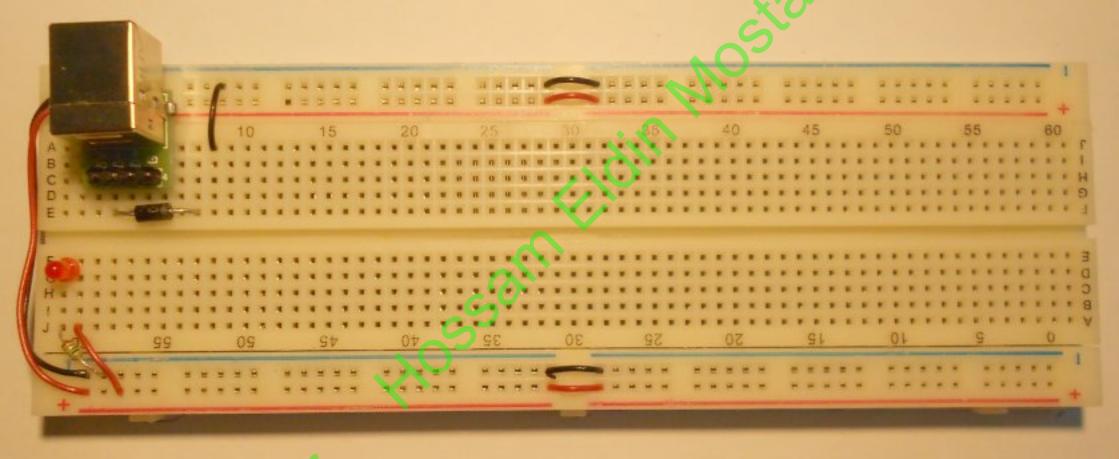


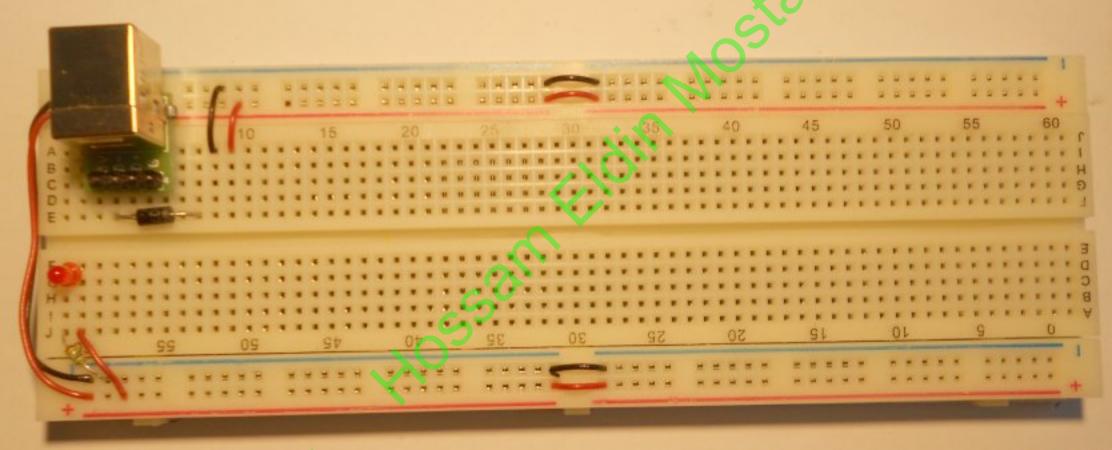


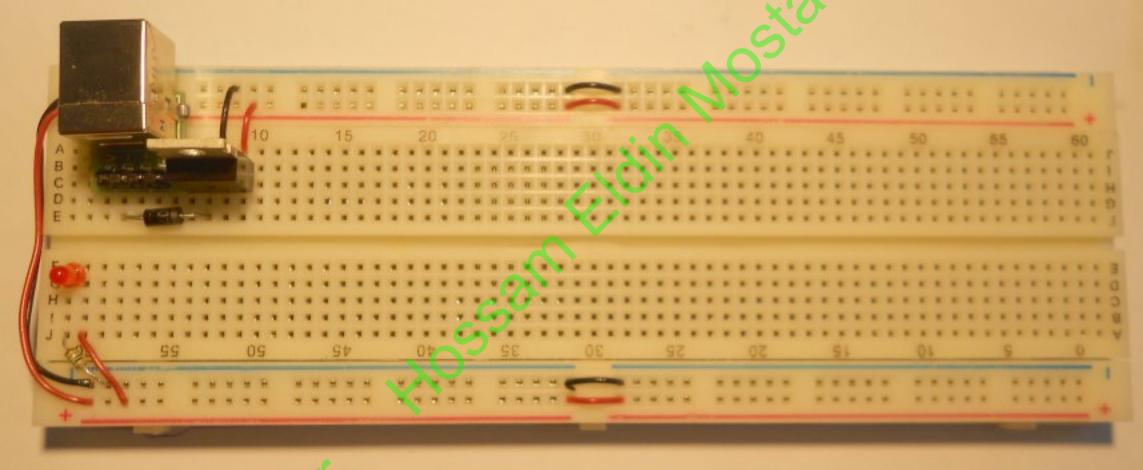


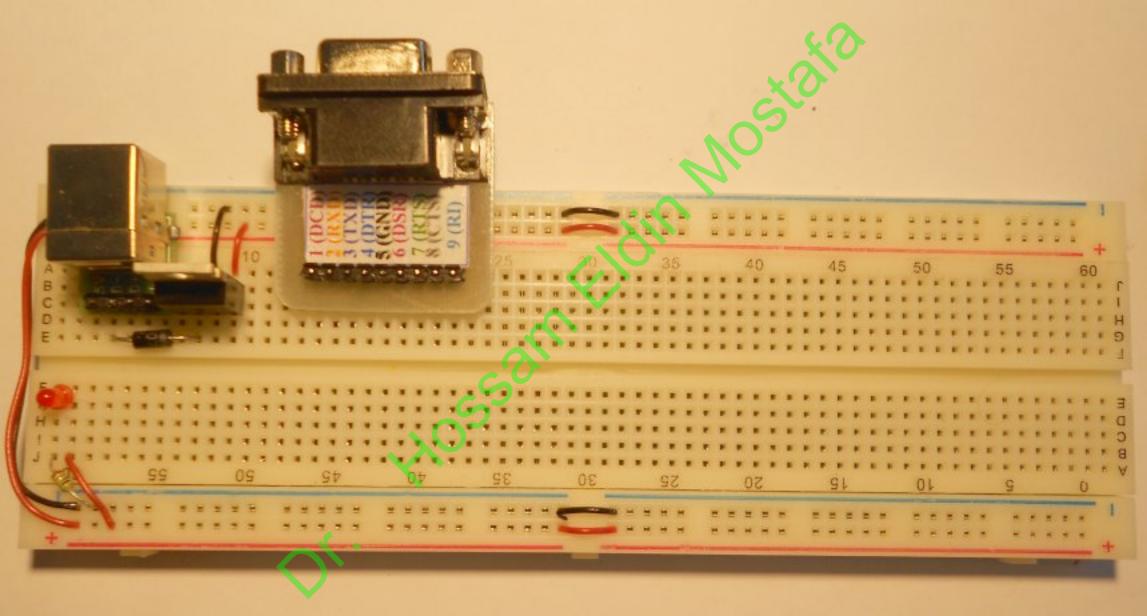


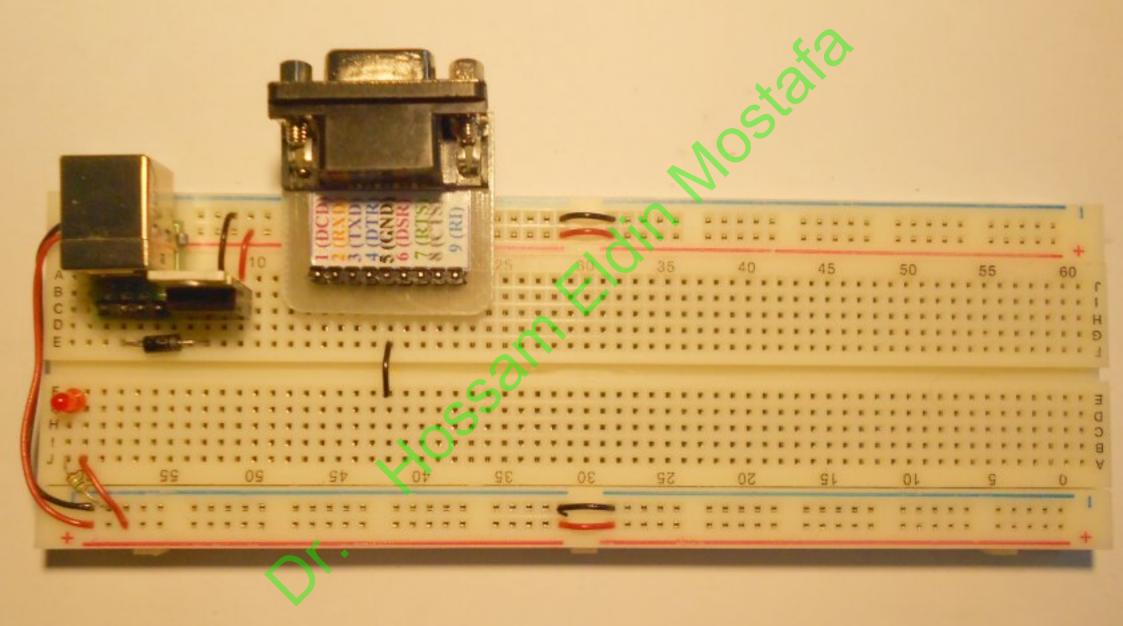


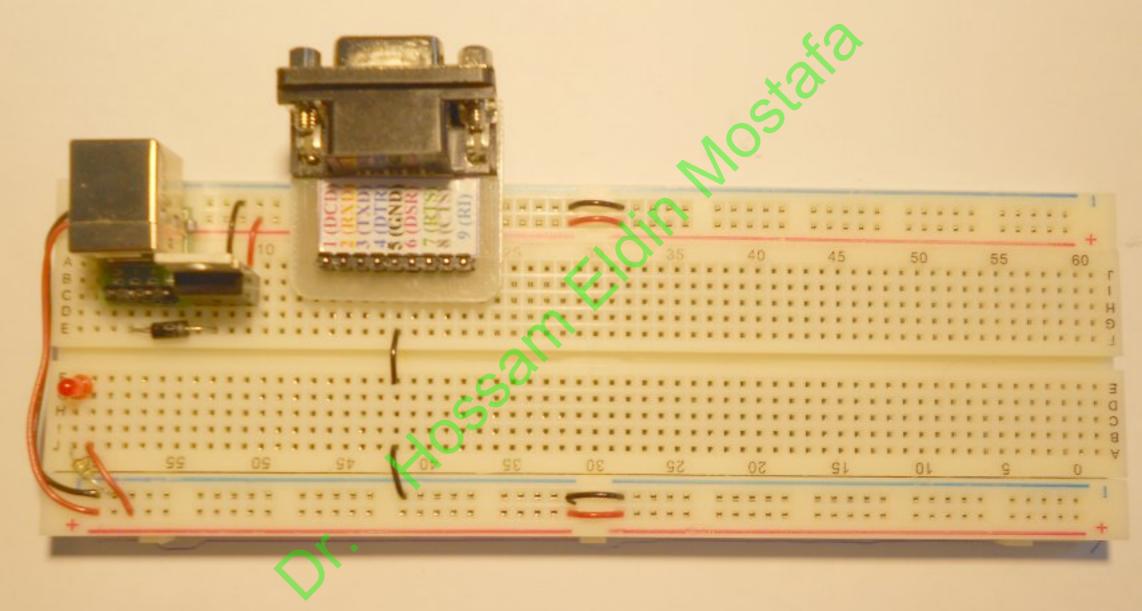


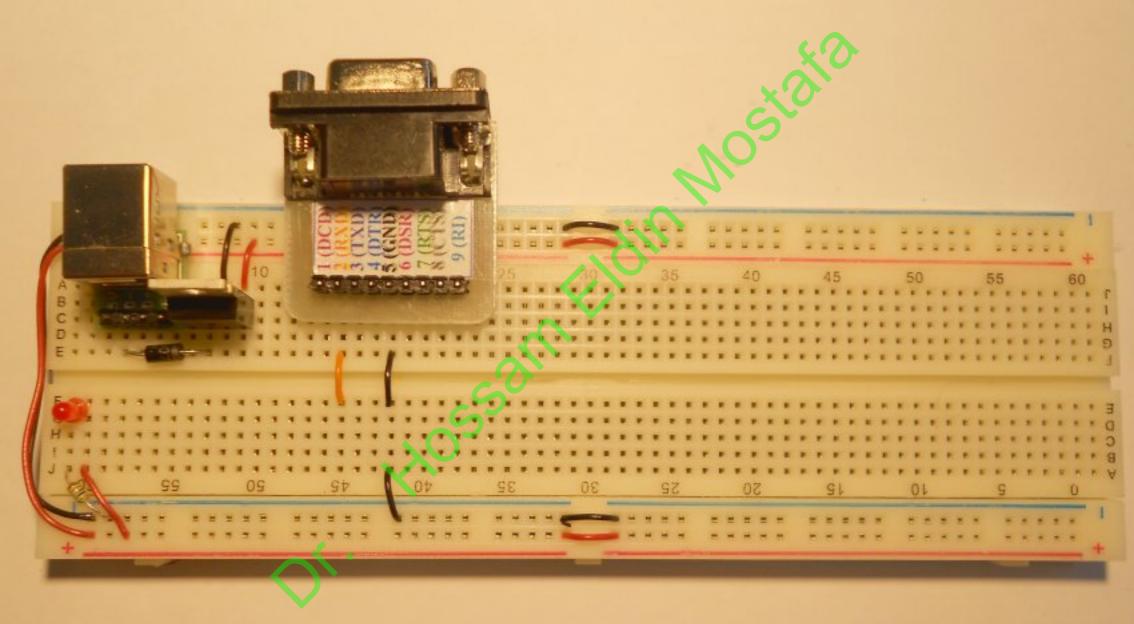


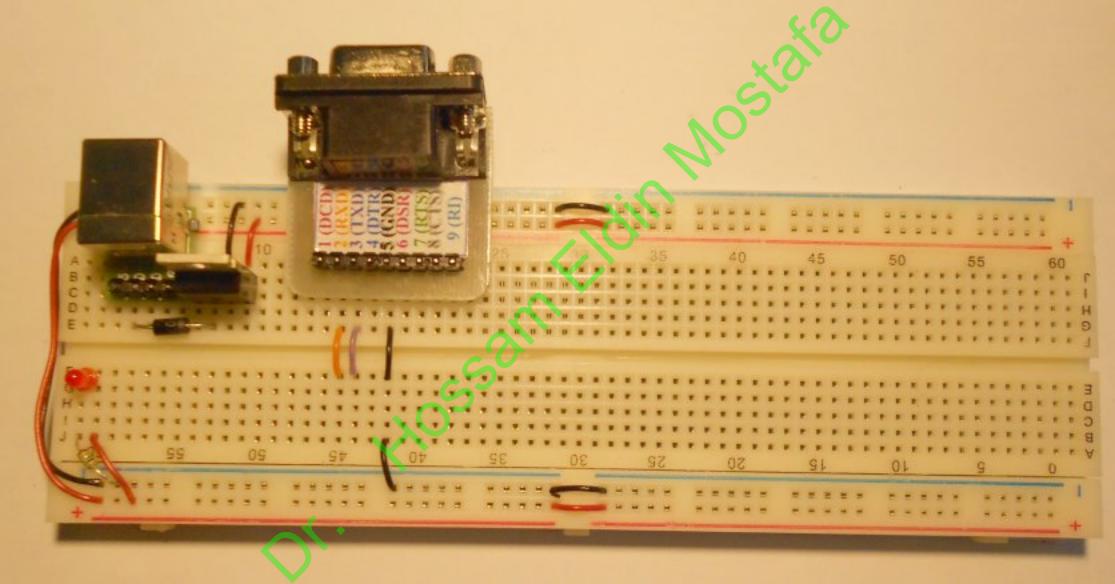


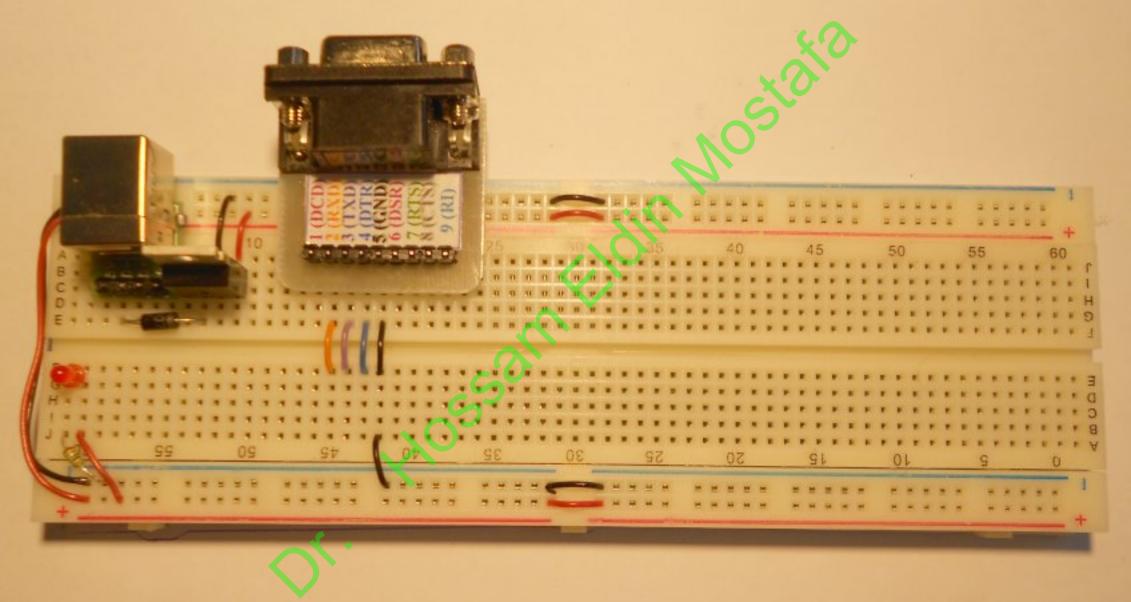


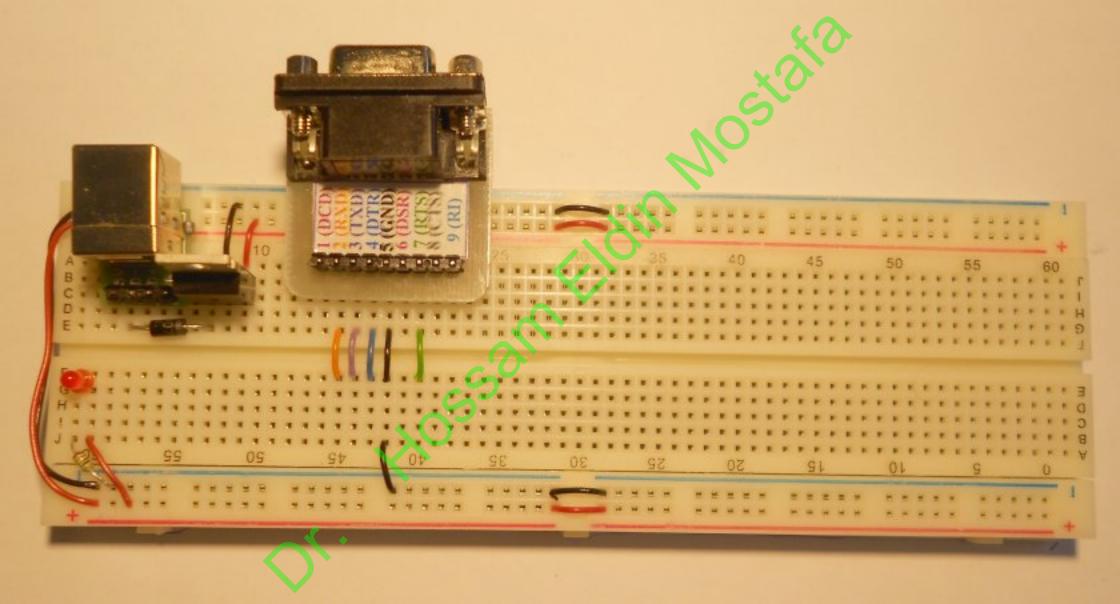


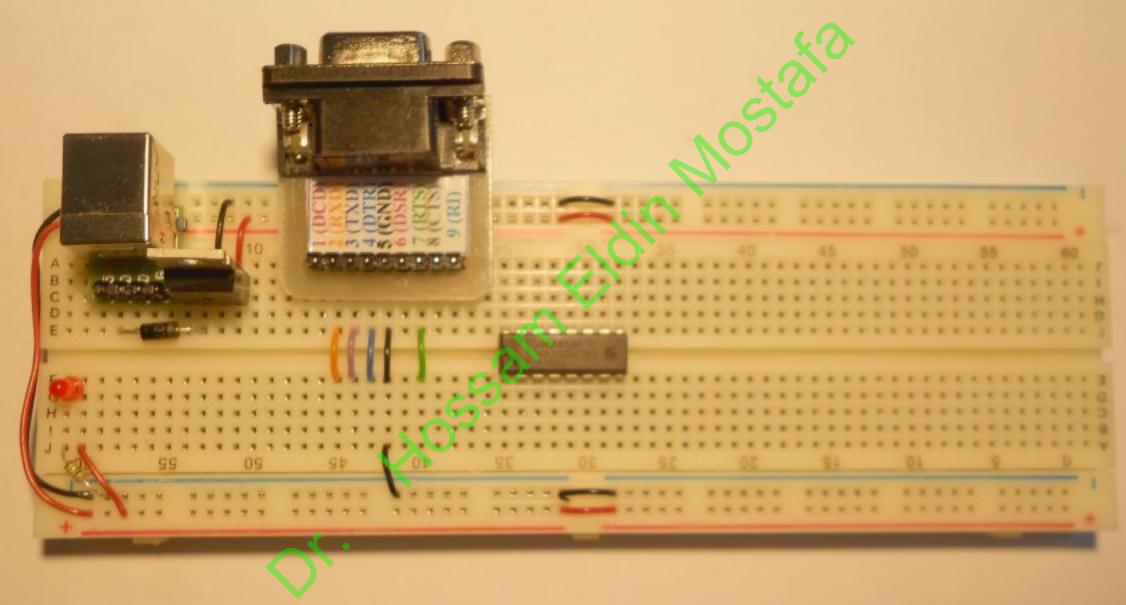


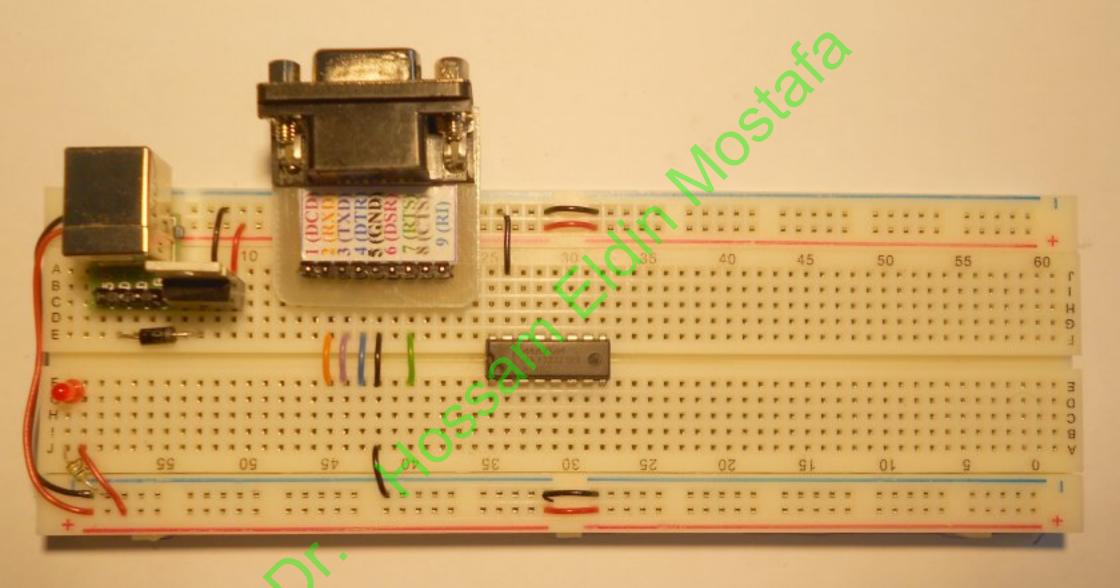


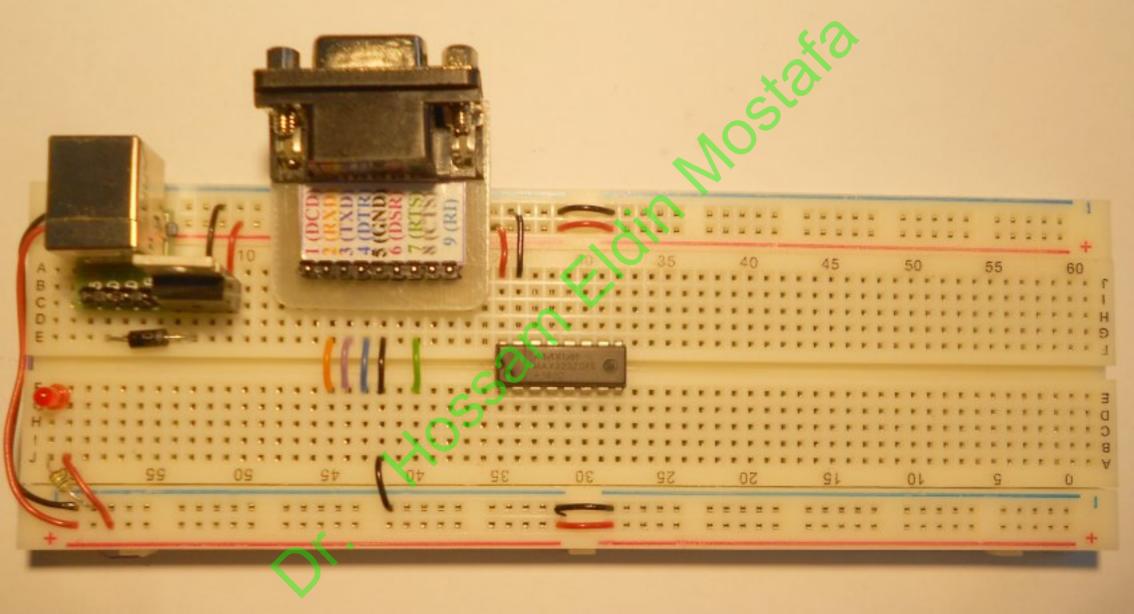


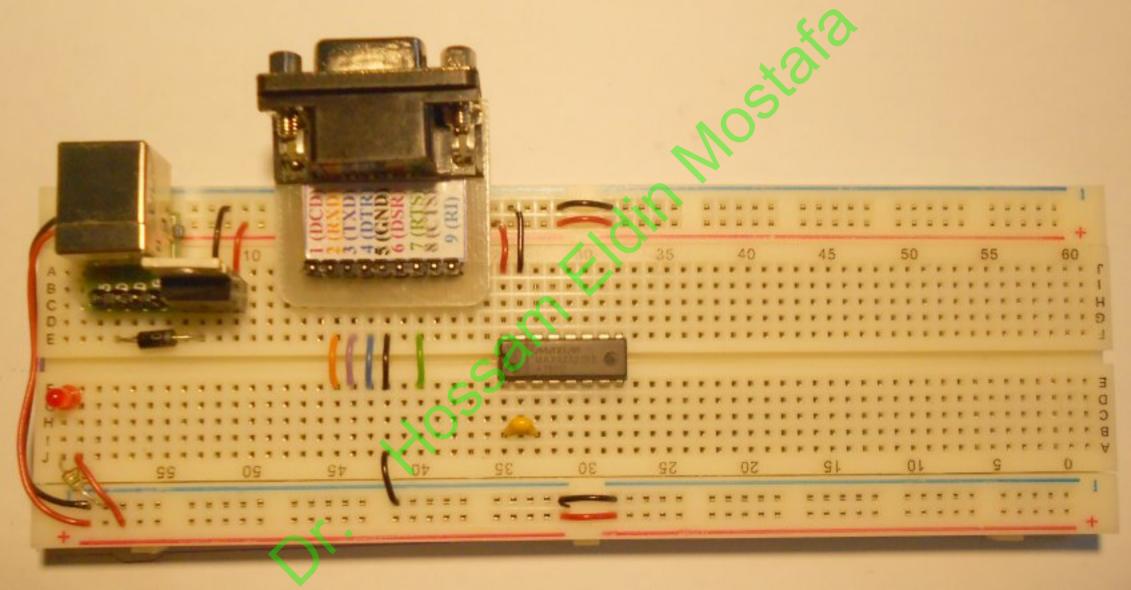


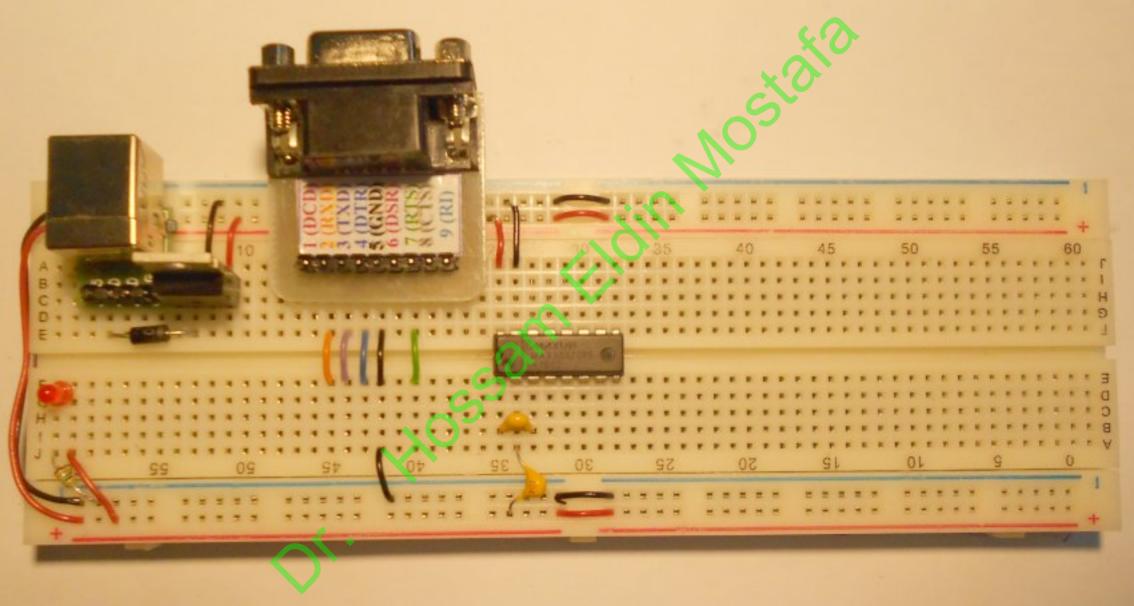


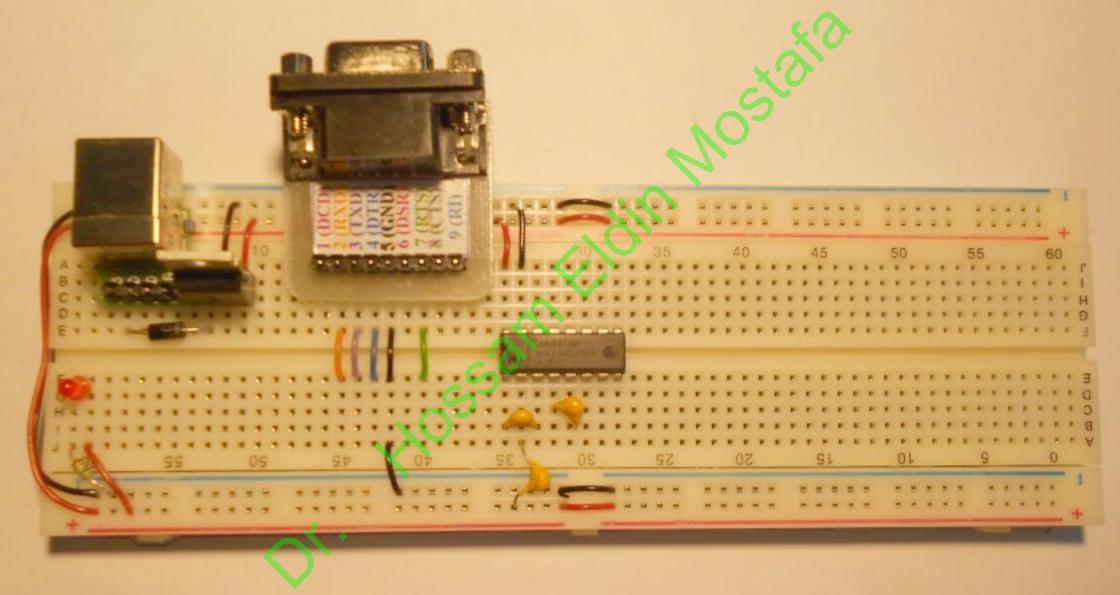


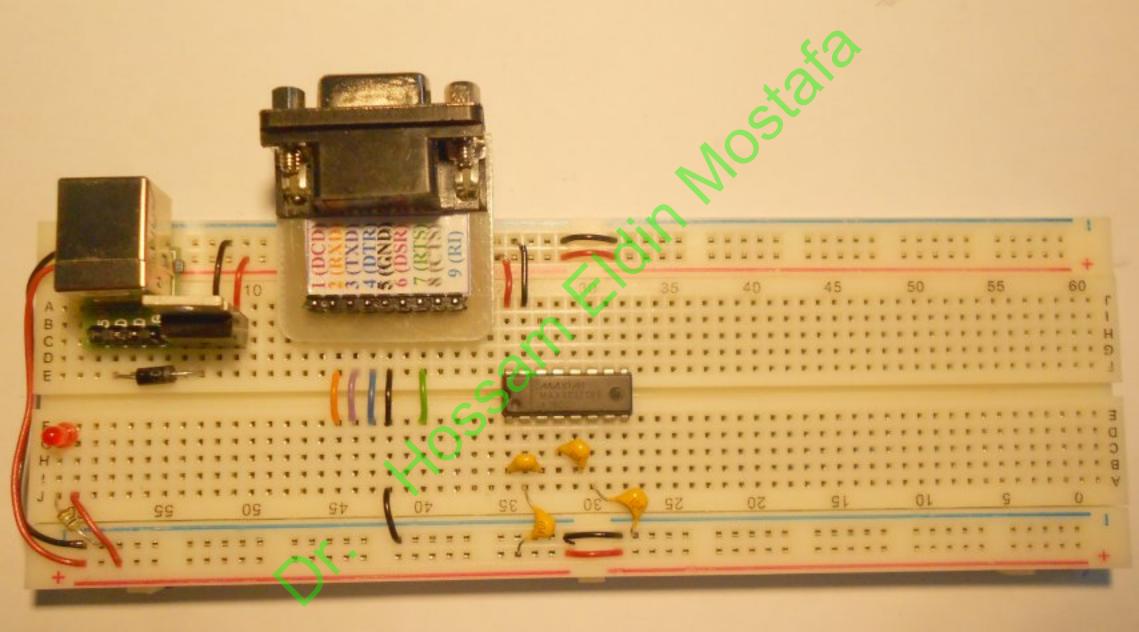


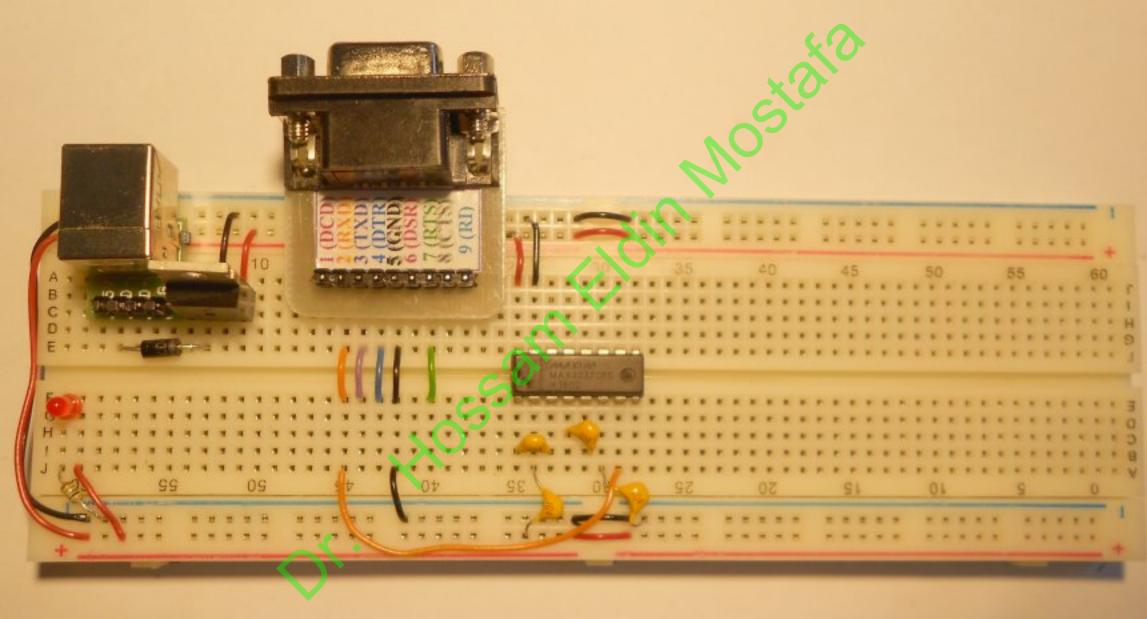


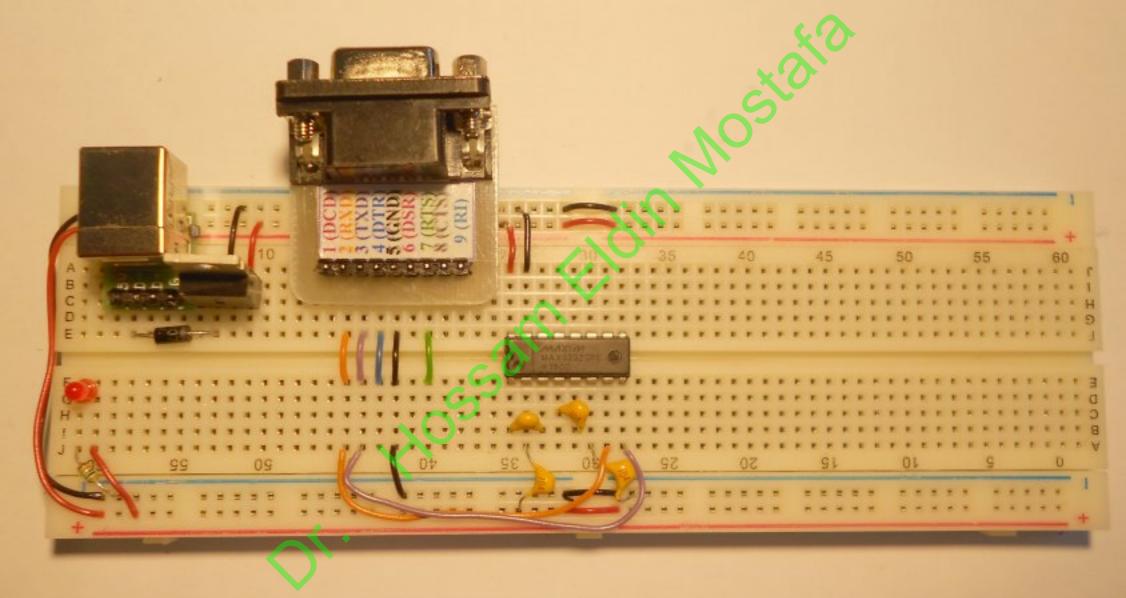


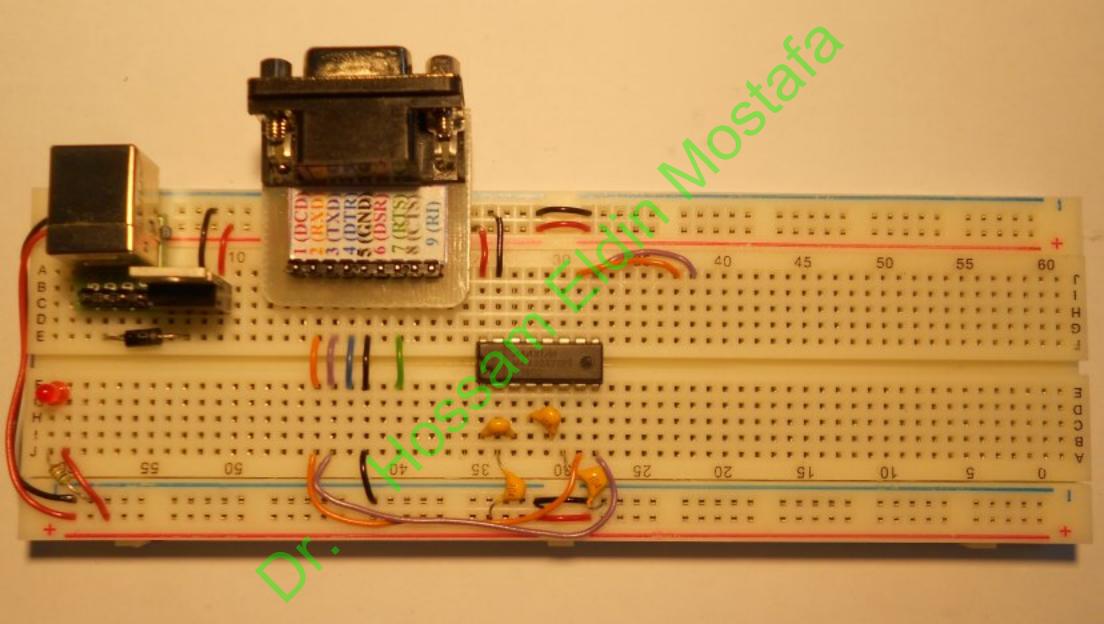


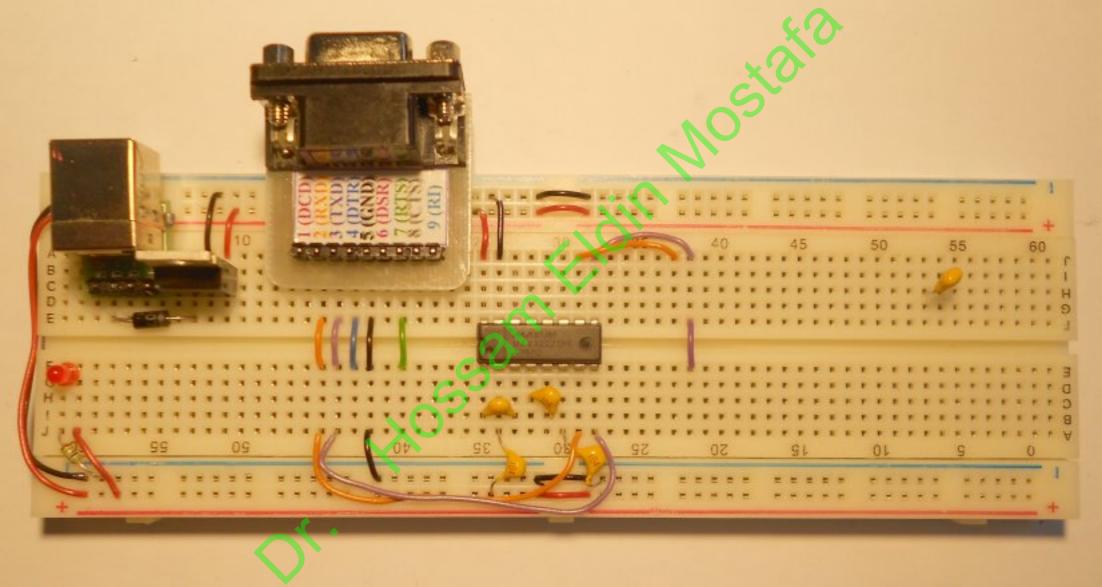


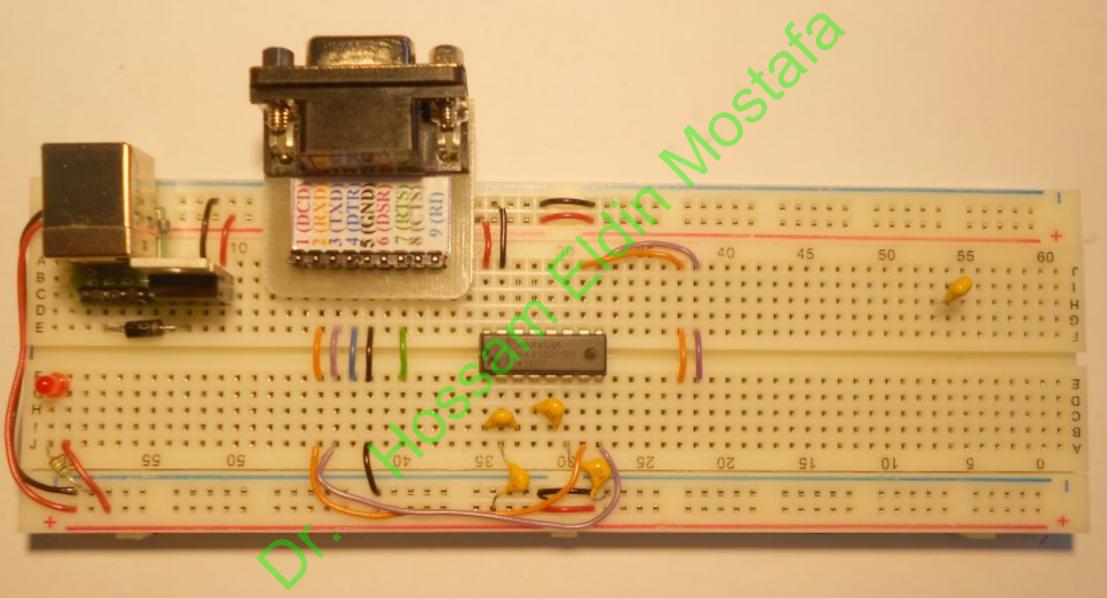


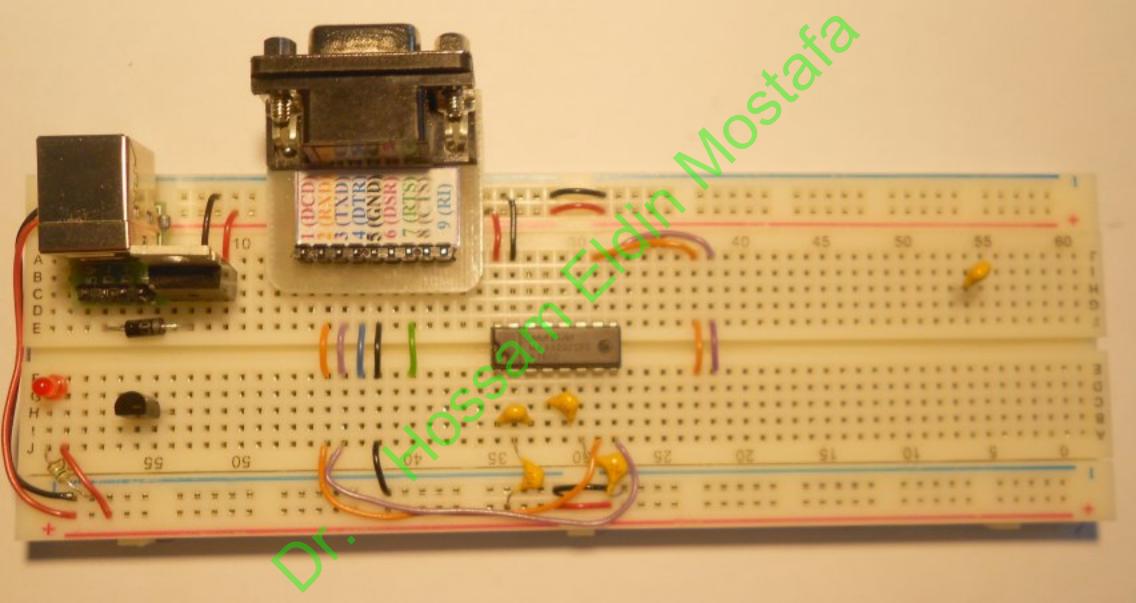


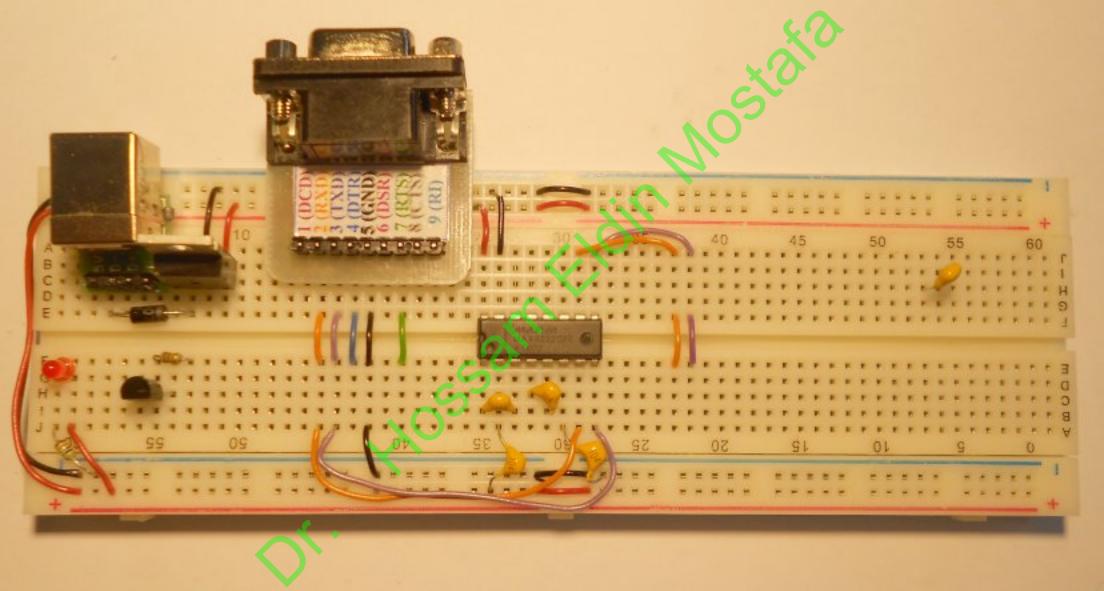


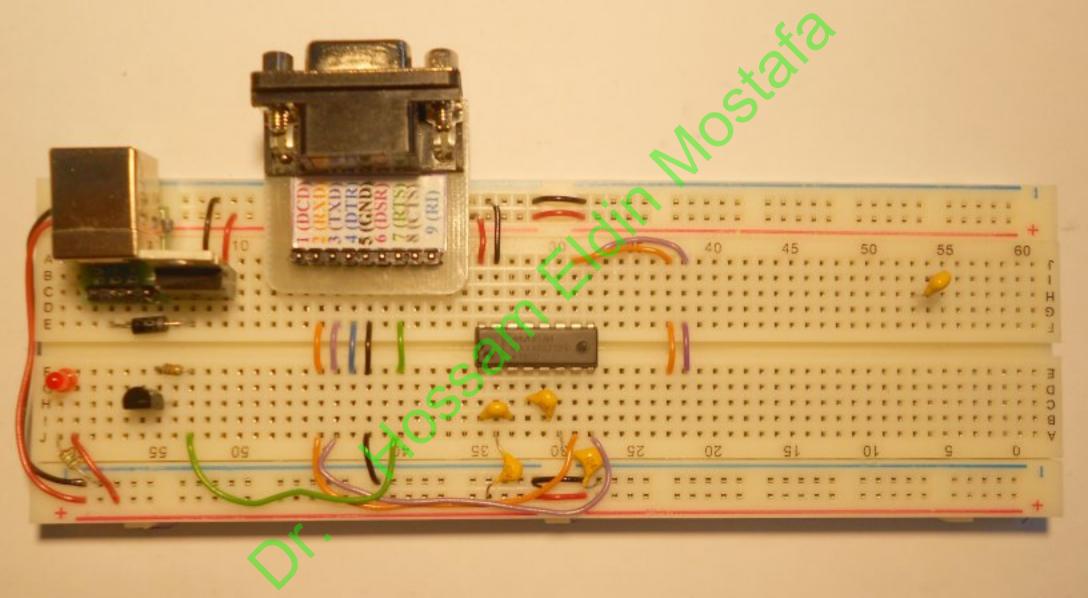


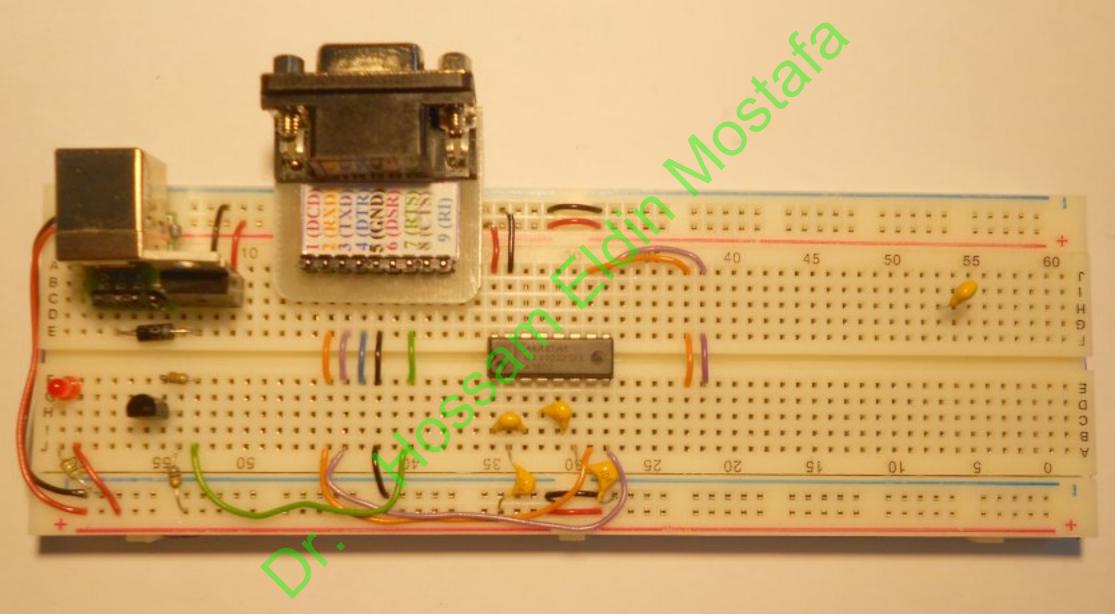


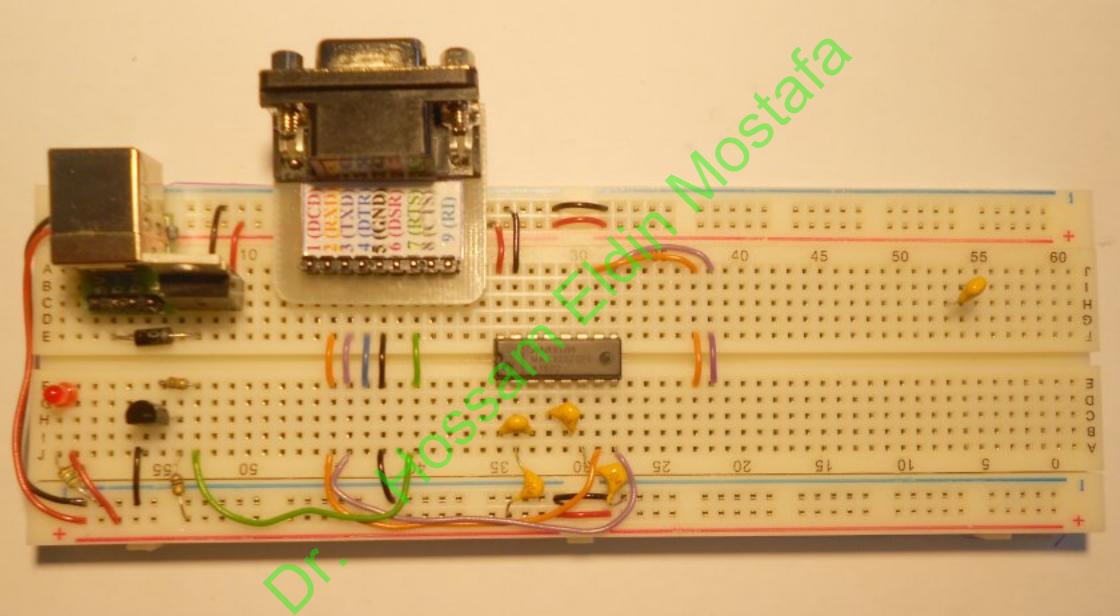


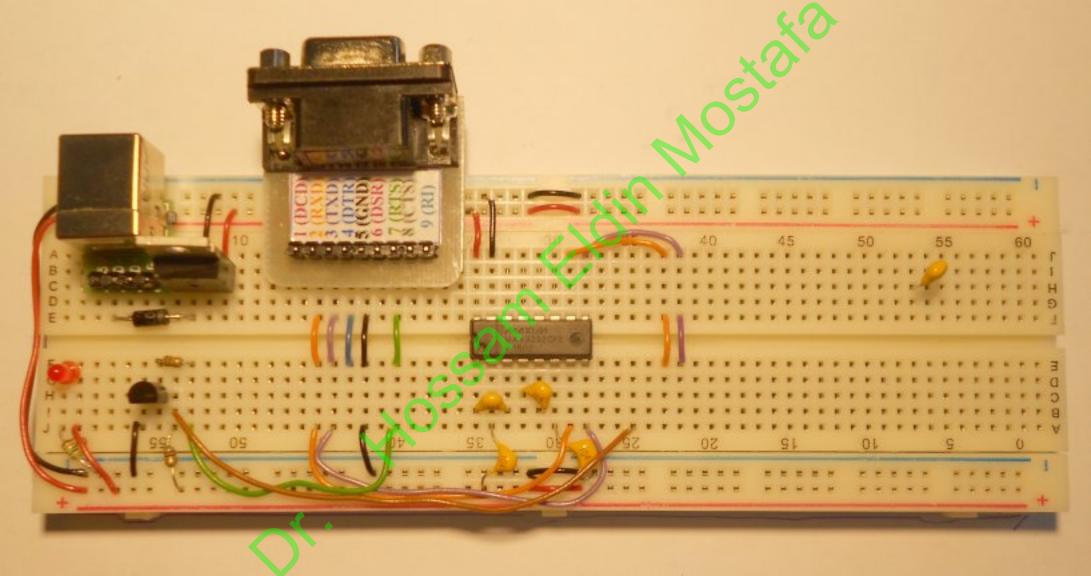


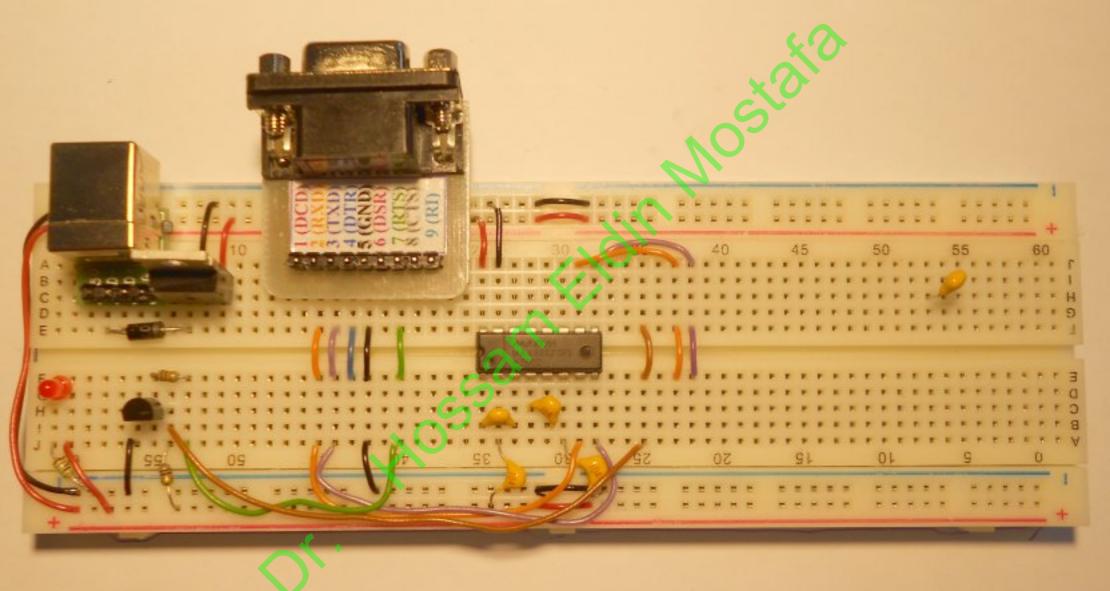


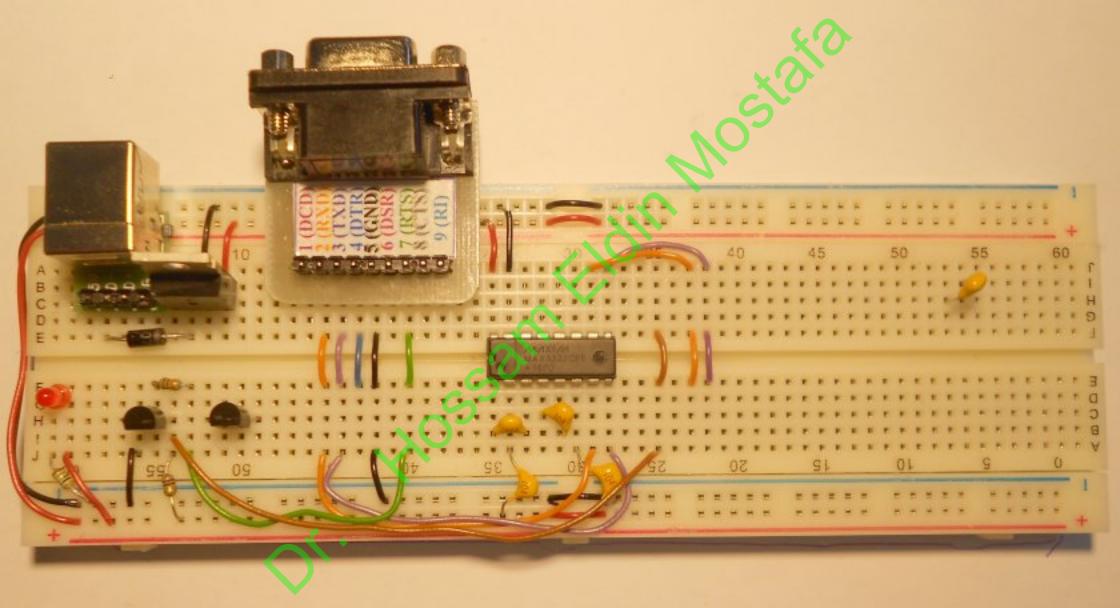


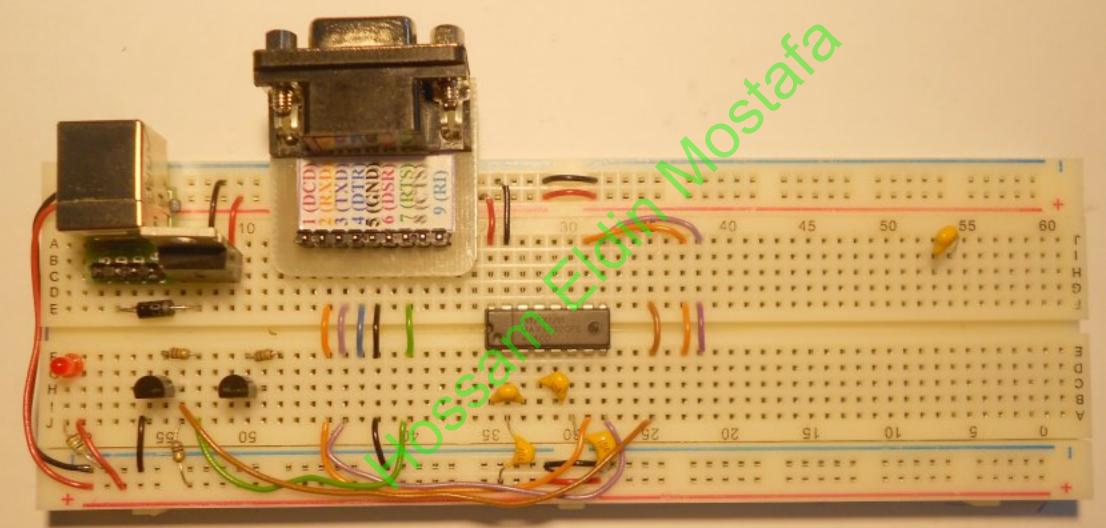




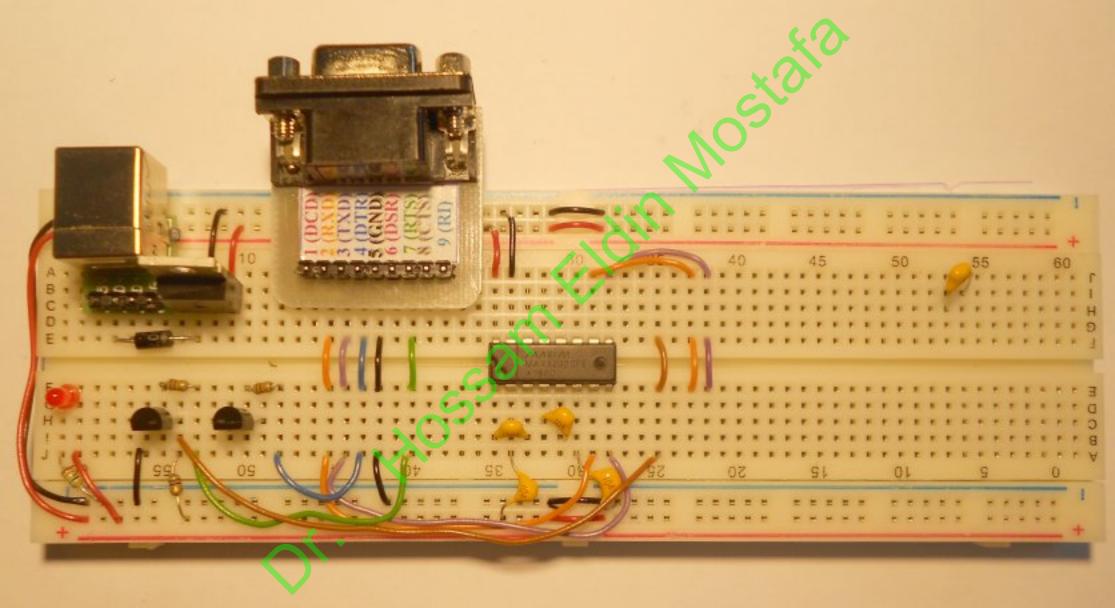


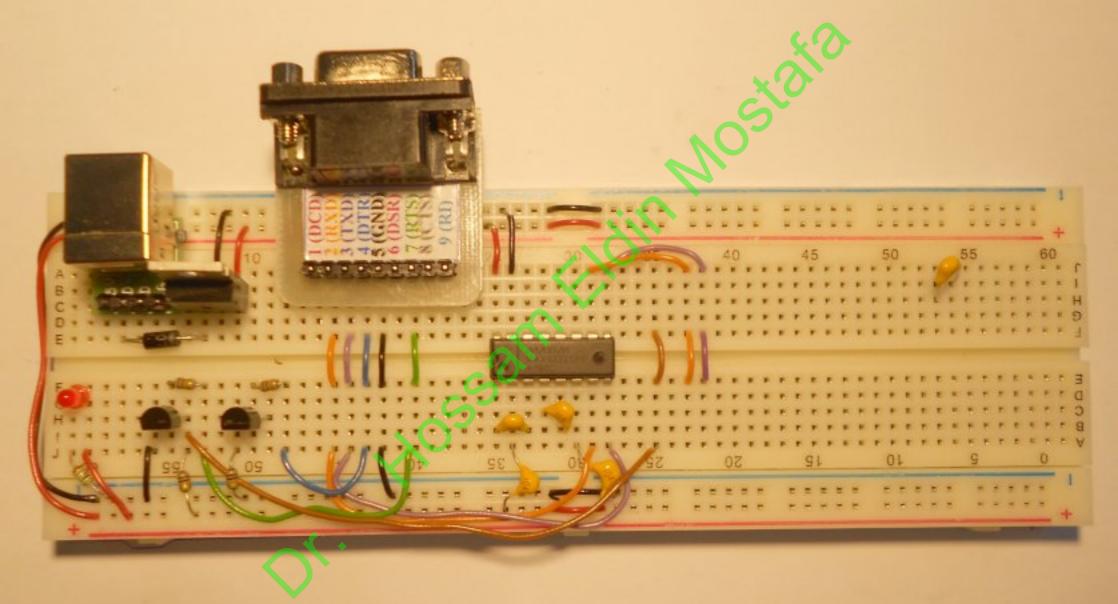


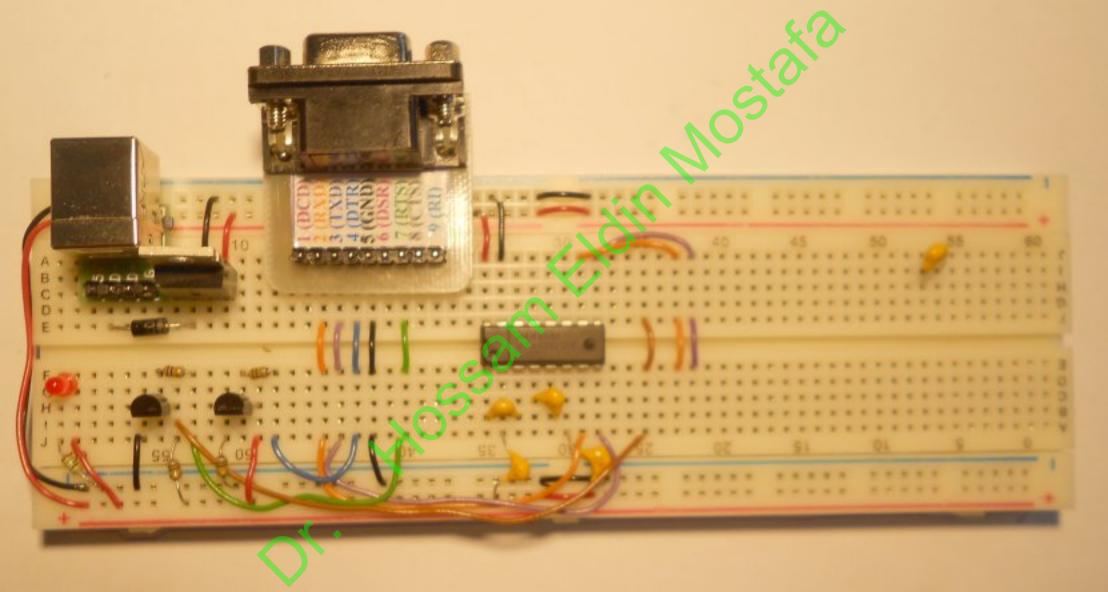


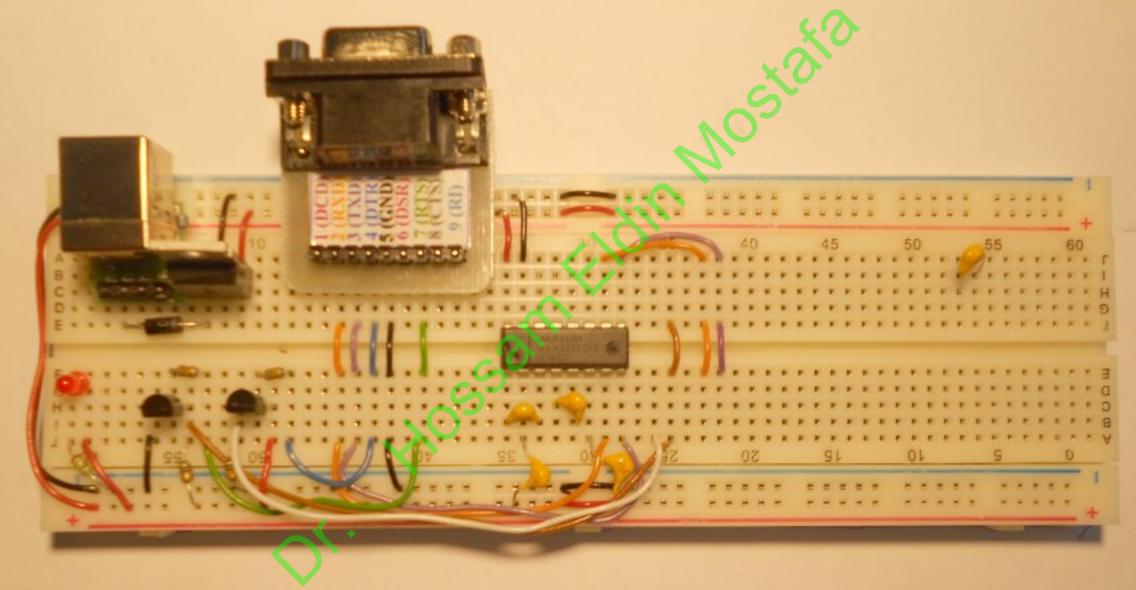


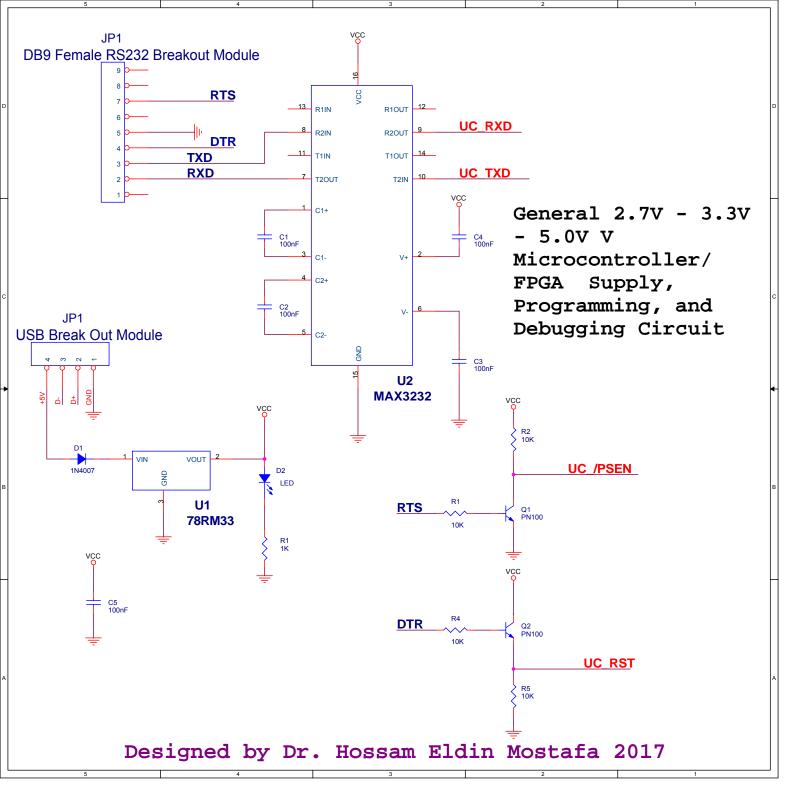












Power Suply - Microcontroller Programmng and Debugging Circuit Bill Of Materials (BOM)

Item	Category	Quantity
MAX3232	ICs - RS232 Transceiver	1
78RM33	ICs LDO Regulator	1
1N4007	Diodes	1
PN100	NPN transistor	2
100nF	Ceramic Capacitors	5
LED ULTRA RED 3MM	LEDs	1
10K Ohm 1/6W	Resistors	4
1K Ohm 1/6W	Resistors	1
DB9 Female RS232 Breakout Module	Modules	1
USB Break Out Board	Modules	1
Colored Bread Board Wires	Wires	2
Mini Plier long nose	Tools	1
Diagonal Cutting Plier	Tools	1
Bread Board	Tools	1
USB to RS232 Serial Cable	Tools	1