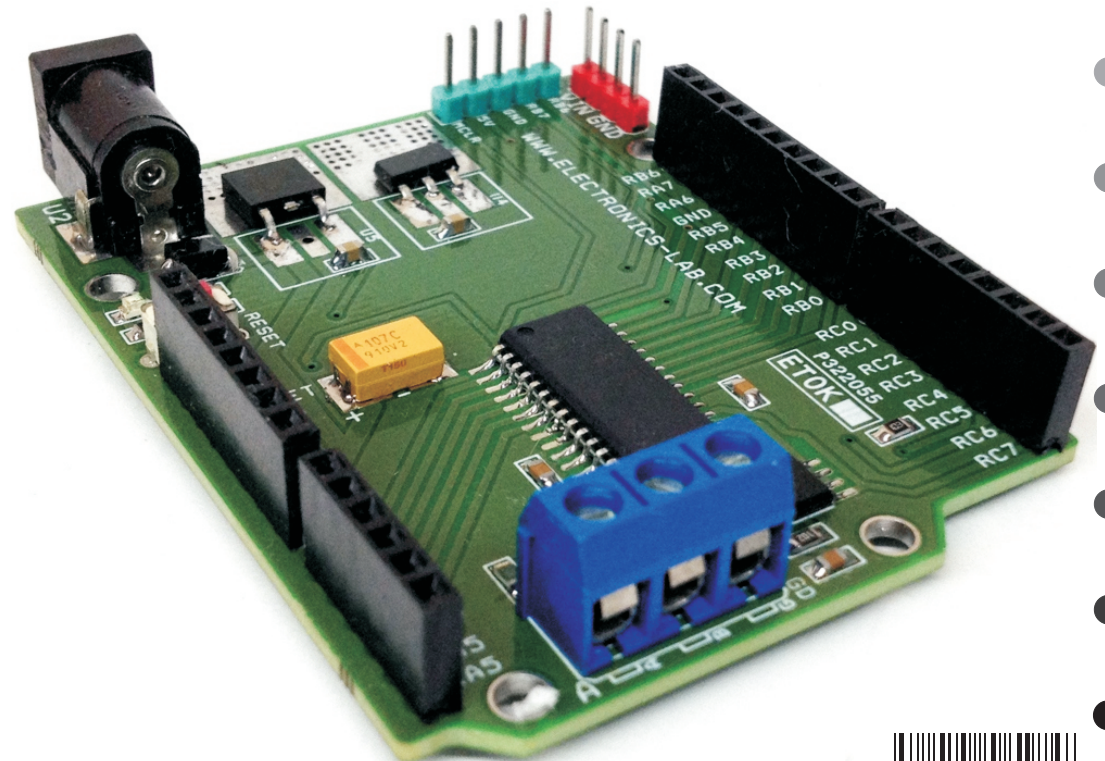


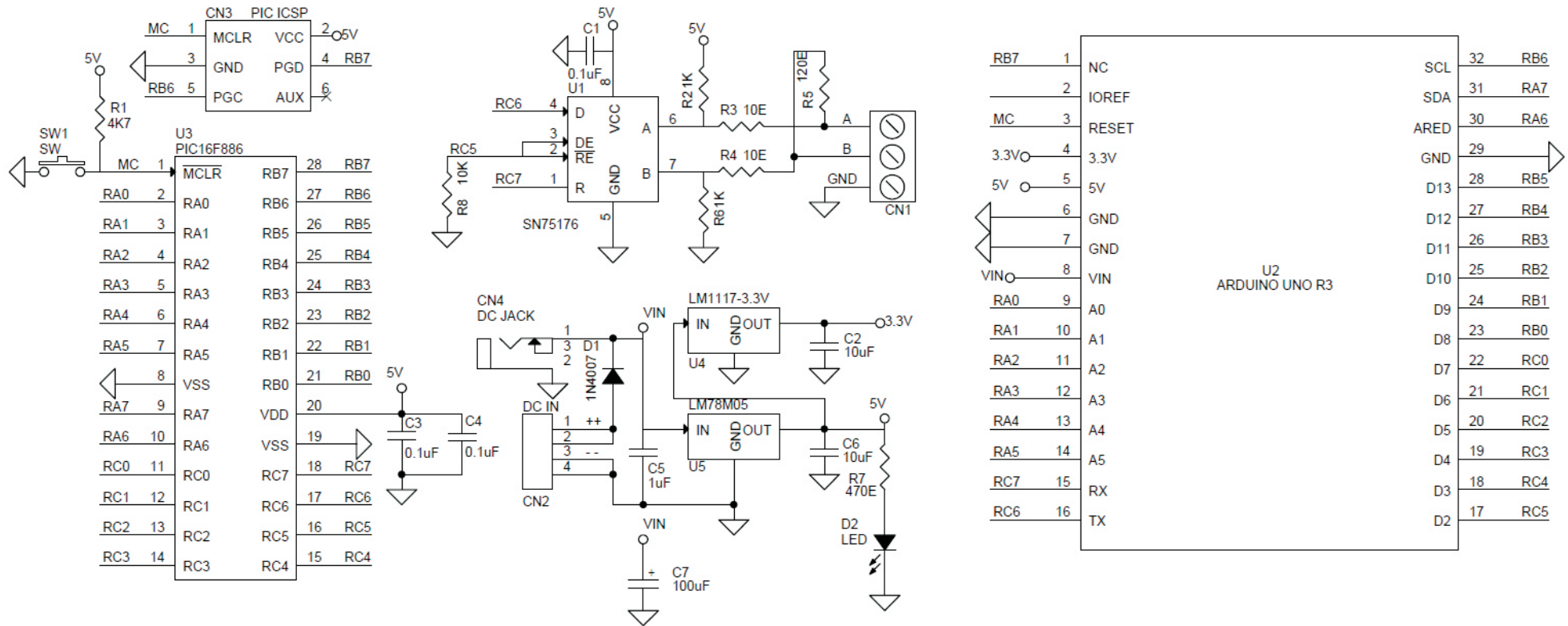
PIC Arduino With Rs485

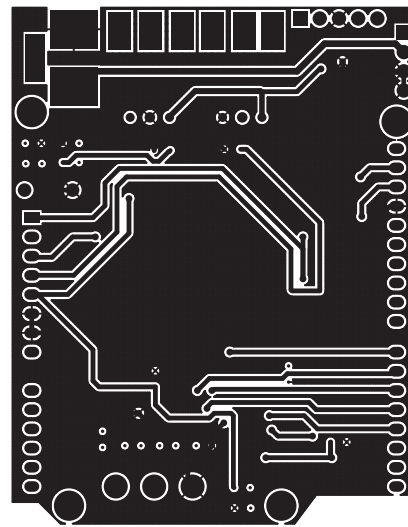
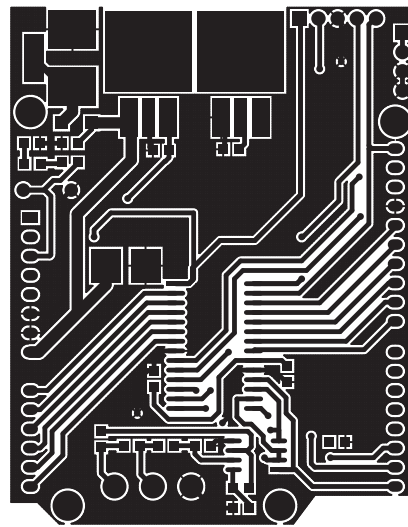
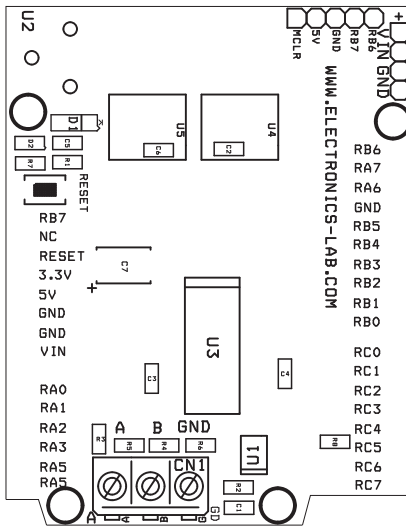
The board created for makers, who wants to use various Arduino UNO shield using PIC micro-controllers from Micro-Chip, board facilitates to use any 28 PIN SMD SO PIC micro-controllers without crystal (internal oscillator). Project also can be used to develop RS485 application with help of on board SN75176 IC. Two regulators provide 3.3V and 5V DC outputs. ICSP connector provided to program the PIC IC using PICKIT2/PICKIT3 programmer. On board DC jack connector and additional CN2 Header connector helps to power up the board. Input supply 7V-15V DC. This board has been tested using PIC16F886 IC. Switch SW1 helps to reset the board. Refer PCB top layout for Arduino Vs. Micro-Chip Pin configuration.

Features

- Supply 7-15V DC
- CN3 ICSP Connector for Programming
- SW1 Reset Switch
- CN4 DC Jack – DC Supply Input 7-15V DC
- CN2 DC Supply Input 7-15V
- CN1 RS485 Communication
- D2 Power LED







BOM			
SR	QNTY.	REF.	DESC.
1	1	CN1	3 PIN SCREW TERMINAL
2	1	CN2	4 PIN HEADER CONNECTOR
3	1	CN3	5 PIN HEADER CONNECTOR
4	1	CN4	DC JACK
5	3	C1,C3,C4	0.1uF SMD 0805
6	2	C2,C6	10uF SMD 0805
7	1	C5	1uF SMD 0805
8	1	C7	100uF SMD 2512
9	1	D1	SM4007 SMD
10	1	D2	LED SMD 0805
11	1	R1	4K7 SMD 0805
12	2	R2,R6	1K SMD 0805
13	2	R3,R4	10E SMD 0805
14	1	R5	120E SMD 0805
15	1	R7	470E SMD 0805
16	1	R8	10K SMD 0805
17	1	SW1	SW 2PIN TACT SWITCH
18	1	U1	SN75176 SMD SO8
19	1	U2	ARDUINO SHIELD
20	1	U3	PIC16F886 SMD SO28
21	1	U4	LM1117-3.3V
22	1	U5	LM78M05 DPAK

