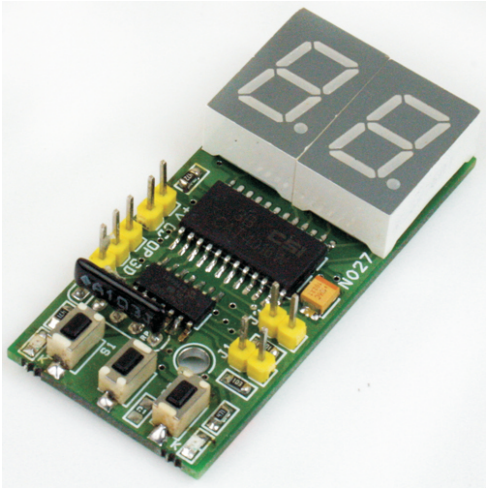
2 Digit Digital Up Counter Using PIC16F1825

The Two Digit UP Counter project built using PIC16F1825 Microcontroller from Microchip, CAT4016 serial to display driver IC from ON-Semiconductor and two 7 Segment common anode 0.5 Inch display. Project works using two switches S3 and S2, third switch is no use. When switch S3 is pressed it increments the count on display by one and S2 provides the reset function, This little handy project consumes low current and can be work with 4.5 V battery, intensity of the display can be change by replacing value of R1, read Cat4016 data sheet for more information about current setting. Display range 00 to99. This project can be used in various applications like product counter, score board, object counter, vehicle counter.

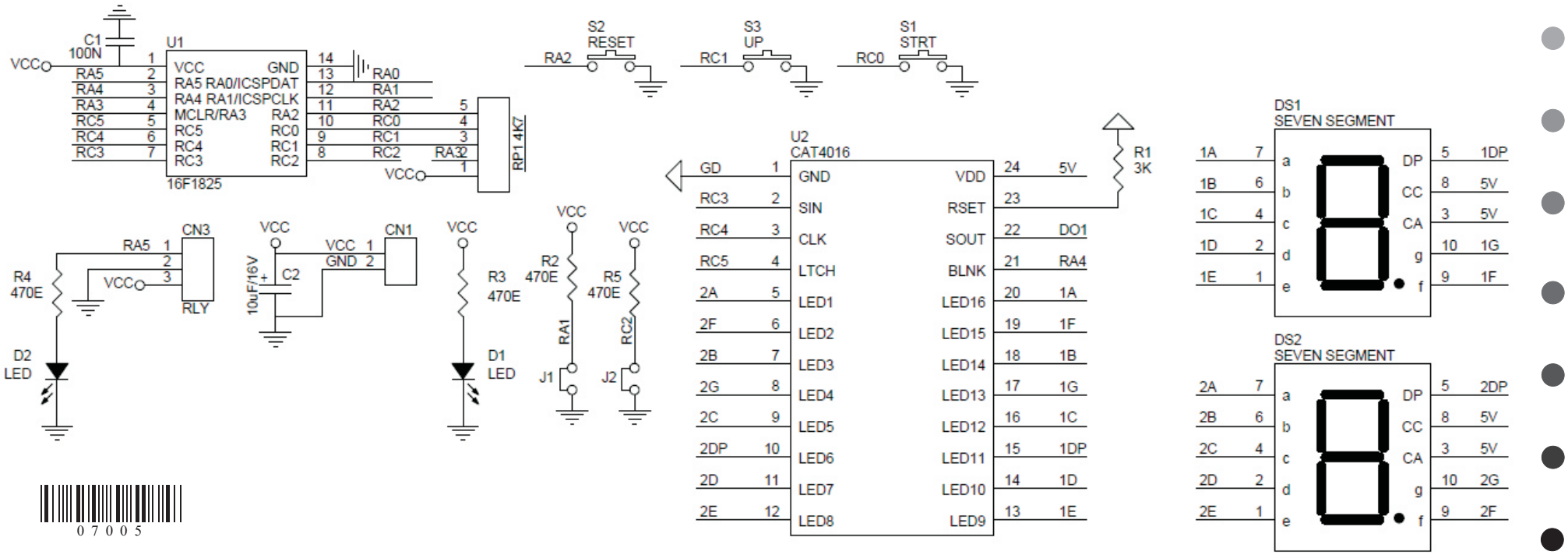


Features

- Supply 4.5 to 5V DC
- Range 00 to 99
- On Board Two Switches for UP count and Reset
- On Board Power LED and Count Up LED

Applications

- Object or Product Counter
- Score Board for Sports
- Vehicle Counter
- Visitors Counter
- Token No Display Banks, Hospitals



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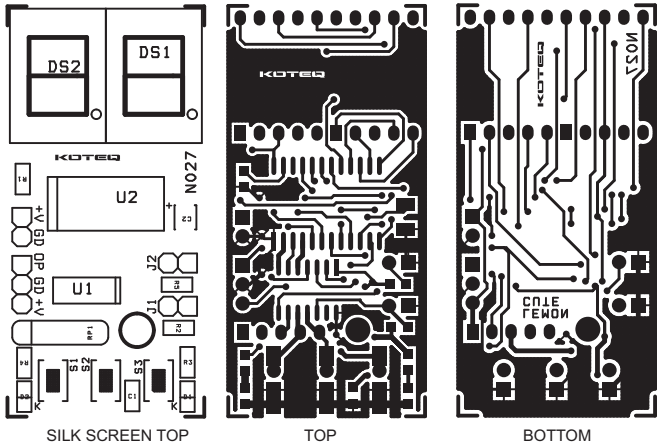
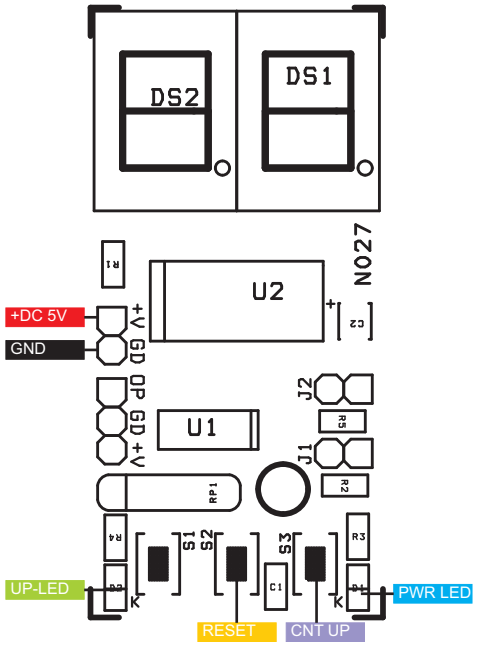
BOM			
SR.	QNTY.	REF	DESC.
1	1	CN1	2 PIN HEADER CONNECTOR
2	1	CN3	OMIT
3	1	C1	0.1uF SMD 0805
4	1	C2	10uF/16V SMD TANTLUM 1210
5	2	DS1,DS2	COMON ANODE RED 7 SEGMENT 0.5" DISPLAY
6	2	D1,D2	LED SMD 0805
7	2	J1,J2	OMIT
8	1	RP1 4K7	5 PIN 4K7 RESISTOR PACK
9	1	R1	3K SMD 0805
10	4	R2,R3,R4,R5	470E SMD 0805
11	1	S1	TACT SWITCH
12	1	S2	TACT SWITCH
13	1	S3	TACT SWITCH
14	1	U1	PIC16F1825 SMD SO14
15	1	U2	CAT4016 SMD SO24





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