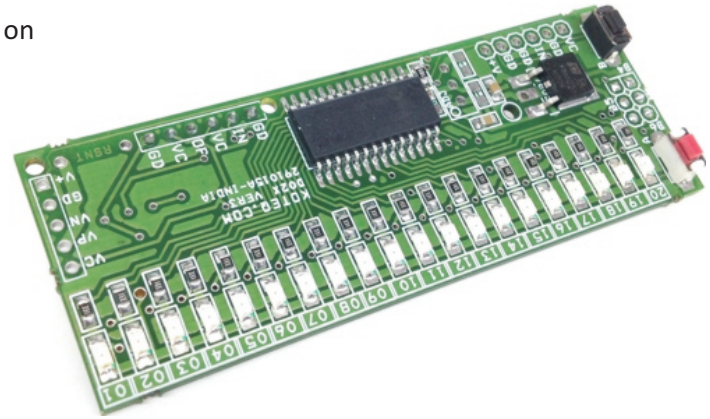
R/C (RADIO CONTROL) SIGNAL MONITOR & R/C SIGNAL TO SWITCH USING PIC16F886

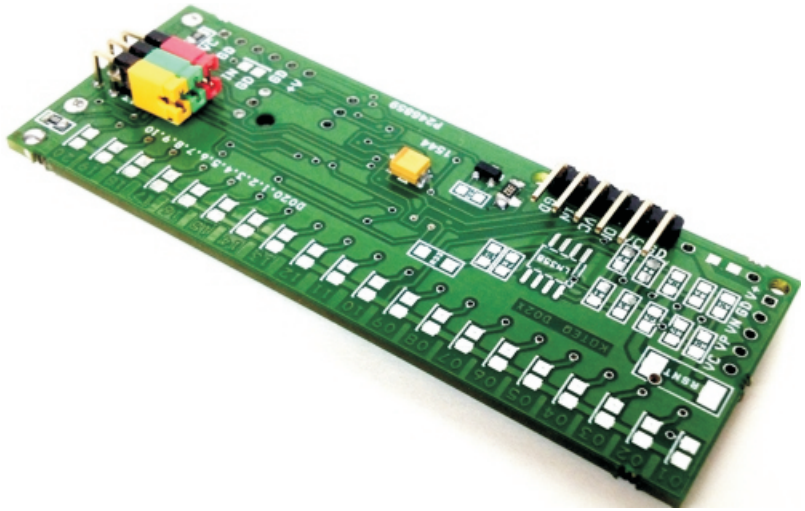
The versatile Bar-Graph SMD components based R/C monitor & R/C switch is a great tool for R/C hobbyist R/C modeller and DIY robotics, Tiny Bar-Graph displays provide a Red color bright, easy to read display of Radio Control (R/C) signal from 1mS to 2mS. This Bar-Graph has 20 segments in single color and display R/C signal in span of 1mS to 2mS. The Barograph RC Signal reader is based on PIC microcontroller PIC16F886. This high performance measurement provides unique capabilities and can be used in various applications like Radio Signal Monitor, Robotics, Machine Control, RC Remote Tester, RC Signal to ON/OFF switch by connecting Relay board or Solid state relay at output of any suitable LED. Multi switches also possible connecting relay boards on all separate LEDs. Solder Jumpers provided on bottom side of PCB to select particular output to interface with Relay or Solid state Relay.



Note: This board has been designed for multiple options and has few extra components. Check BOM carefully before soldering the components. Solder the parts as described in parts list.

Features

Supply 5V DC
Input 1mS to 2 Ms
Display Range 1.5mS to 2mS Center to Left 10 LEDs & 1.5mS to 1mS Center to Right 10Leds
Output Display 20 Color RED SMD LEDs
Compact Board with SMD Components
Supply input Header Connecter
Solder Jumper on each LED for Output Control, Alarm, and Relay



BOM			
SR.	QNTY	REF	DESC.
1	1	CN2	6 PIN HEADER
2	1	C2	0.1uF SMD 0805
3	1	C9	10uF/16V SMD 1210
4	20	D1 TO D20	LED SMD 1206
5	2	R31	1K SMD 0805
6	20	R11 TO R30	470E SMD 0805
7	1	U1	PIC16F886 SMD SO28
8	3	U2,U3,Q1	OMIT
9	14	R1,R2,R5,R6,R7,R3,R33,R4,R34,R9,R32,R36,R37,PR1	OMIT
10	2	SW1,SW2	OMIT
11	8	C1,C2,C3,C4,C5,C6,C10,C11,C7,C8,C12	OMIT
12	1	CN3	OMIT
13	3	J21,J22,J24	OMIT
14	21	J1 TO J21	OMIT

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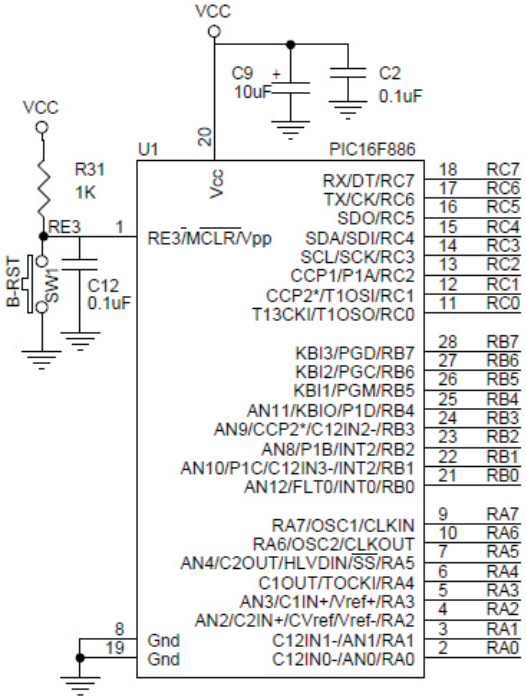

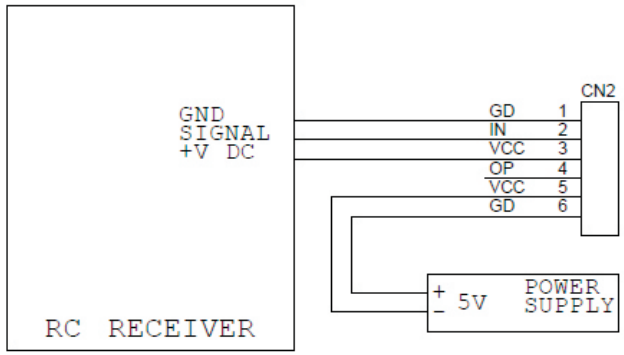

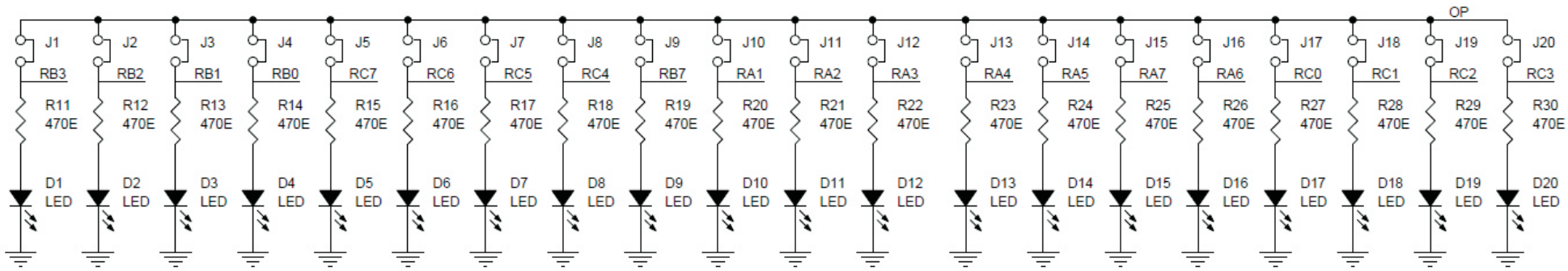

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