

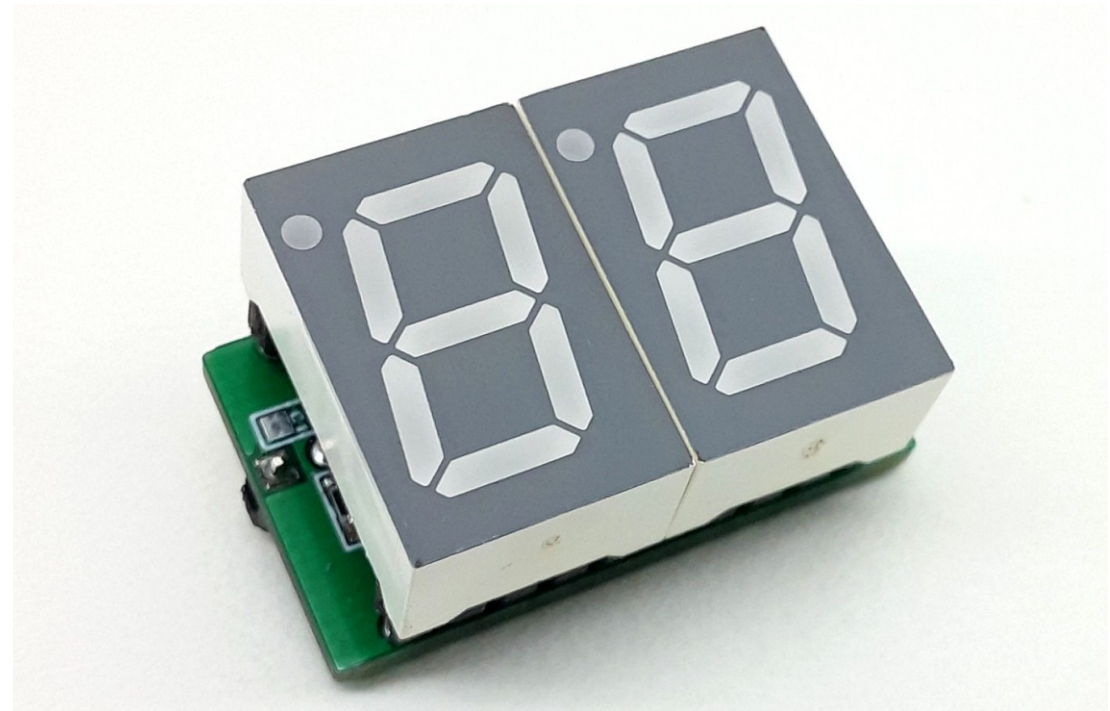
2 Digit Common Cathode 0.5" - 7 Segment Display Module (Multiplexed)

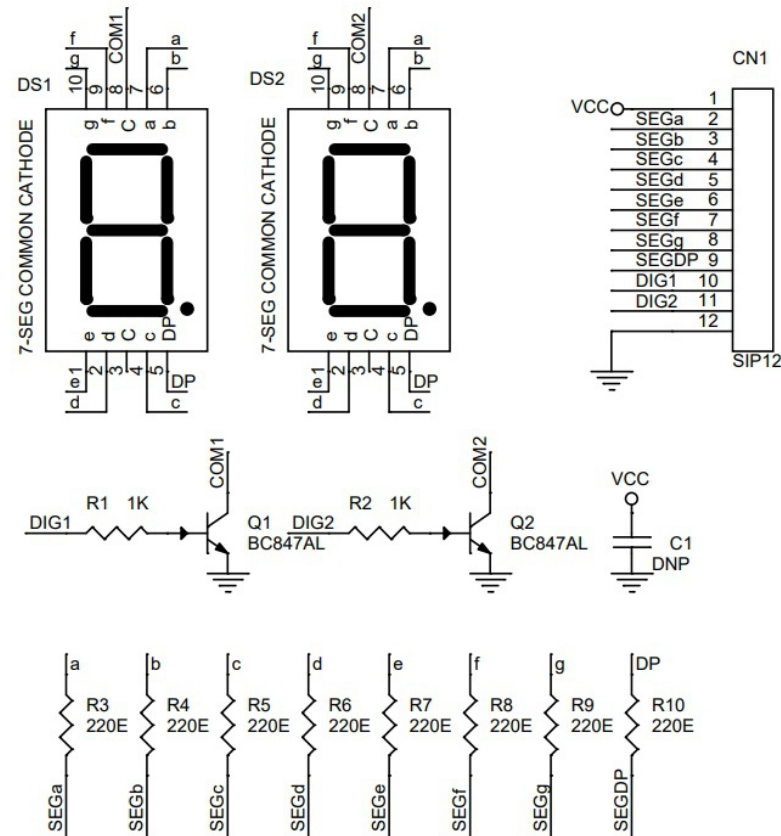
This 2 Digit 7 segment display project contains 2 x Common Cathode displays, current limiting resistors on each LED segment, 2 x PNP Transistor on each common cathode for multiplexing, etc. This is a very compact project that works with 5V TTL signals but can be optimized for 3.3V operations by reducing current limiting resistors' value. Header connector provided for easy interface to Arduino or other microcontrollers. All inputs are compatible with TTL 5V signals.

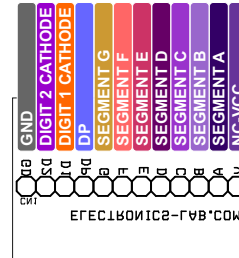
Multiplexed display

https://en.wikipedia.org/wiki/Multiplexed_display

- PIN 1 NC (VCC-NO USE)
- PIN 2 SEGMENT A
- PIN 3 SEGMENT B
- PIN 4 SEGMENT C
- PIN 5 SEGMENT D
- PIN 6 SEGMENT E
- PIN 7 SEGMENT F
- PIN 8 SEGMENT G
- PIN 9 DP
- PIN 10 DISPLAY 1 CATHODE (BC847 BASE)
- PIN 11 DISPLAY 2 CATHODE (BC847 BASE)
- PIN 12 GND







BOM						
NO	QNTY.	REF	DESC	MANUFACTURER	SUPPLIER	SUPPLIER PART NO
1	1	CN1	12 PIN MALE HEADER CONNECTOR	WURTH	DIGIKEY	732-5334-ND
2	1	C1	DNP			
3	2	DS1,DS2	7-SEG COMMON CATHODE 0.5 OR 0.56 INCH RED	SUN LED	DIGIKEY	3267-XDMR14C-1-ND
4	2	Q1,Q2	BC847AL	NEXPERIA	DIGIKEY	1727-2924-2-ND
5	2	R1,R2	1K 5% SMD SIZE 0805	MURATA/YAGEO	DIGIKEY	
6	8	R3,R4,R5,R6,R7,R8,R9,R10	220E 5% SMD SIZE 0805	MURATA/YAGEO	DIGIKEY	





PCB DIMENSIONS 30.48MM X 17.30MM

