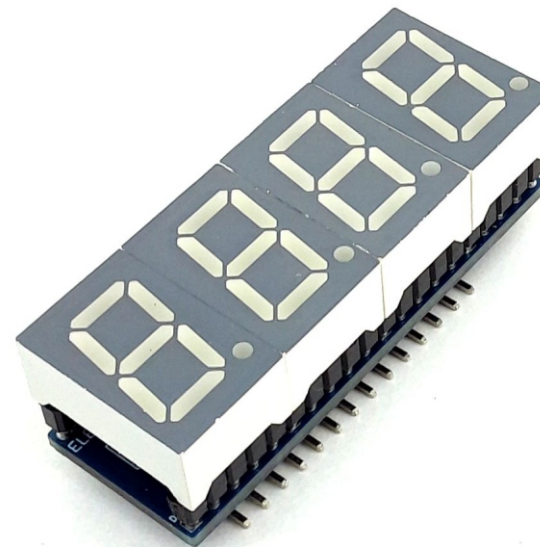


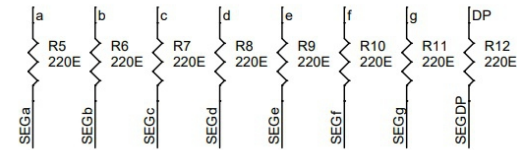
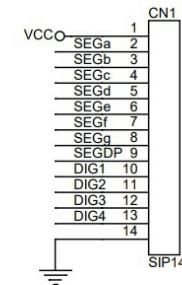
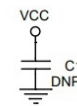
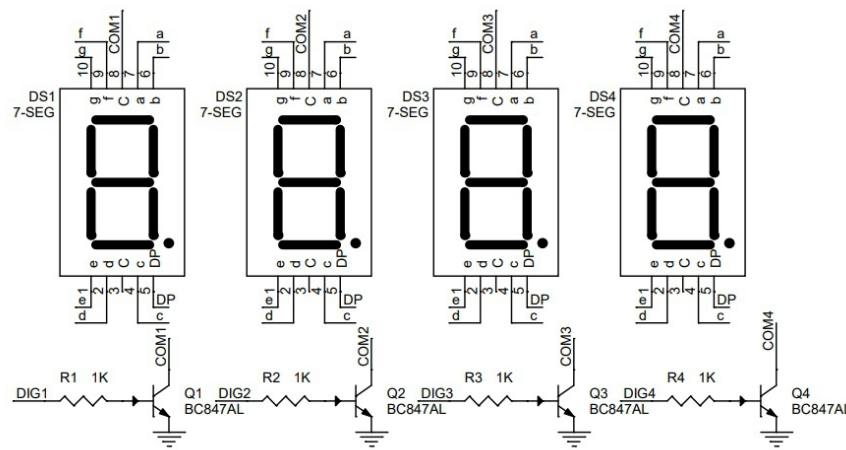
4 Digit Common Cathode 0.5" -7 Segment Display Module (Multiplexed)

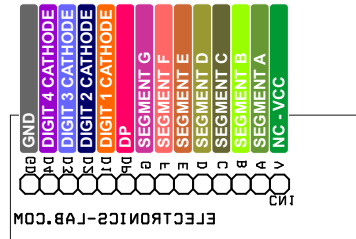
This 4 Digit 7 segment display project contains 4 x Common Cathode displays, current limiting resistors on each LED segment, 4 x PNP transistors on each common cathode for multiplexing, etc. This is a very compact project that works with 5V TTL signals but can be optimized for 3.3V operations by reducing current limiting resistors values. A header connector is provided for easy interface to Arduino or other microcontrollers. All inputs are compatible with TTL 5V signals.

Arduino PINs

- 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 DISPLAY 3 CATHODE (BC847 BASE)
- PIN 13 DISPLAY 4 CATHODE (BC847 BASE)
- PIN 14 GND

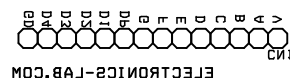




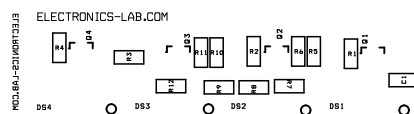


BOM

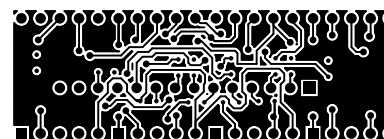
NO	QNTY	REF	DESC	MANUFACTURER	SUPPLIER	SUPPLIER PART NO
1	1	CN1	14 PIN MALE HEADER CONNECTOR PITCH 2.54MM	WURTH	DIGIKEY	732-5334-ND
2	1	C1	DNP			
3	4	DS1,DS2,DS3,DS4	7-SEGMENT 0.5 OR 0.56INCH COMMON CATHODE RED OR GREEN DISPLAY	SUN LED	DIGIKEY	3267-XDMR14C-1-ND
4	4	Q1,Q2,Q3,Q4	BC847AL	NEXPERIA	DIGIKEY	1727-2924-2-ND
5	4	R1,R2,R3,R4	1K 5% SMD SIZE 0805	MURATA/YAGEO	DIGIKEY	
6	8	R5-R14	220E 5% SMD SIZE 0805	MURATA/YAGEO	DIGIKEY	



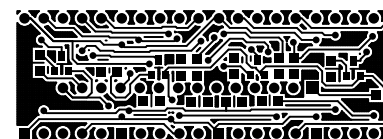
SILK SCREEN BOTTOM



SILK SCREEN TOP



BOTTOM LAYER



TOP LAYER

PCB DIMENSIONS 51.28MM X 17.78MM

