Single Digit Test Circuit

Arduino Uno

5V	12
GND	11
	10
	9
	8
	7
	6
	5
	4
	3
	2

NTE 7447 BCD-to-7-Segment-Decoder

B	Vcc
C	f
~LT	g
~BI/~RBO	a
~RBI	b
D	c
A	d
GND	e

390Ω

NTE 3078 7-Segment Display

E	G
D	F
Com Anode	Com Anode
C	A
D.P.	B