School of Advanced Technology

7-Segment Display Design Sheet

Name: _____

Use this sheet in conjunction with the data sheet for the LDS-A504RI 7-segment display (uploaded or google search) to aid in your design and debugging process. Fill in each black with either 3.3v or 0v, (or binary 1 or 0) as required in order to create the number. Don't forget – this display is a common anode device, so you are designing for 0 volts (or GND or binary 0).

ALSO….. note which Pin on the Teensy has been wired to each segment on the display.

Ex. In order to light up a decimal three on the display, segments a, b, c, d, e, and g must be "activated".

Decimal3	0	0	0	0	1	1	0

Decimal	7-segment display output							
	Segment a Pin __	Segment b Pin __	Segment c Pin __	Segment d Pin __	Segment e Pin __	Segment f Pin __	Segment g Pin __	dp
0	0	0	0	0	0	0	1	
1	1	0	0	1	1	1	1	
2	0	0	1	0	0	1	0	
3	0	0	0	0	1	1	0	
4	0	1	1	0	0	1	1	
5	1	0	1	1	0	1	1	
6	1	0	1	1	1	1	1	
7	1	1	1	0	0	0	0	
8	1	1	1	1	1	1	1	
9	1	1	1	1	0	1	1	
10 (a)								
11 (b)								
12 (c)								
13 (d)								
14 (e)								
15 (f)								