

<i>Segment</i>	a	b	c	d	e	f	g	DP	<i>base-10</i>
Pin #									-
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									

Instructions

- 1 – Using the “Pin #” row, write down which pin matches each segment on your display;
- 2 – Ensure that the output pins on your shift-register match up in order to the segments a~DP on your display. That is, 74HC595 pin number Q0 should be wired to the pin that controls segment 'a' on your display (via a 560 ohm resistor); Q1 to segment 'b', Q2 to segment 'c', Q7 to segment 'DP' (decimal point) etc;
- 3 – Now complete the table with '1's where you want a segment on, and '0' where you want it off – this will give you a binary number in each row;
- 4 – calculate the base-10 equivalent of each binary number and enter this value in the 'base-10' column.
- 5 – Now the base-10 value is the data you will use in *shiftOut()*;