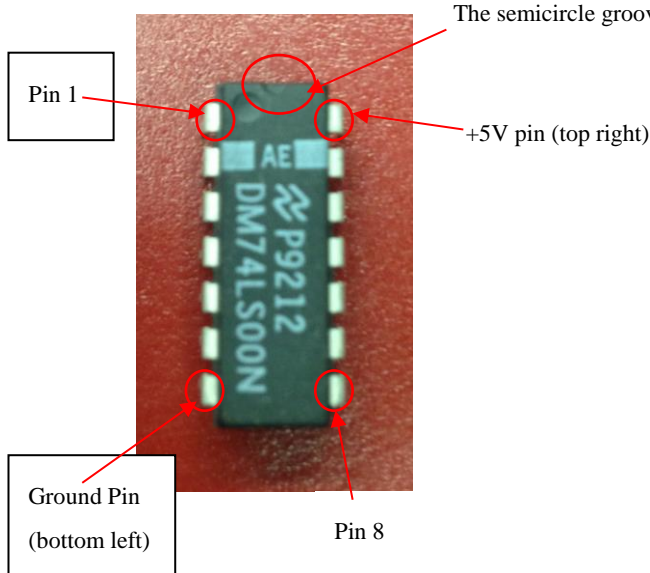


SANTA CLARA UNIVERSITY	ELEN 21 Winter 2016	Dr. Shoba Krishnan, Dr. Sally Wood
Breadboarding an Integrated circuit		

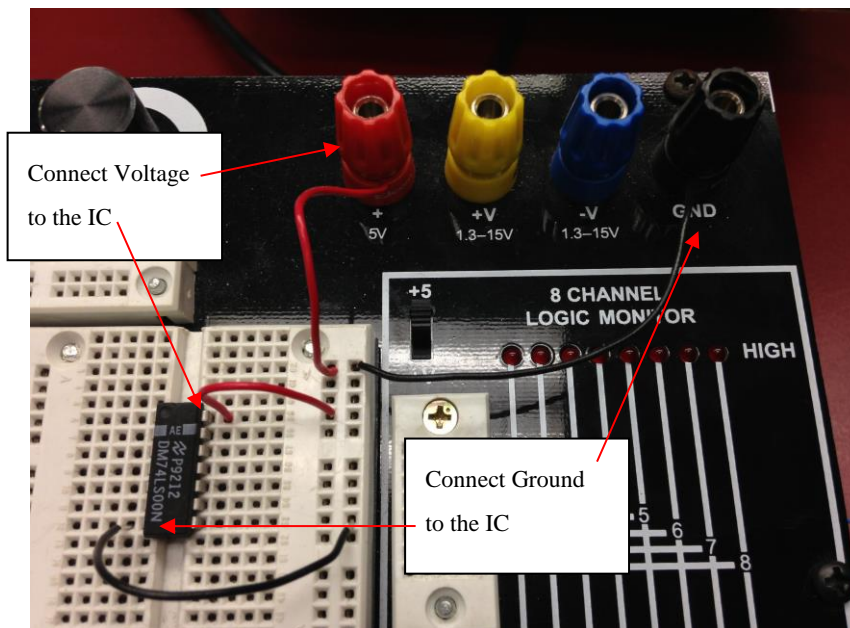
Integrated Circuit Chips:



The pin numbering starts from 1 in the top left (with the IC oriented as shown by the semicircle) and counts downwards, then across the IC at the bottom and up the other side

In the IC shown, the ground pin would be pin 7 in the bottom left, and the +5V pin would be pin 14 in the top right. Many, but not all, ICs have this same placement of the power and ground pins.

Powering the IC on the breadboard:



To use a particular IC, look up its internal schematic.

The schematic of an IC will display what each pin of the IC is used for.