

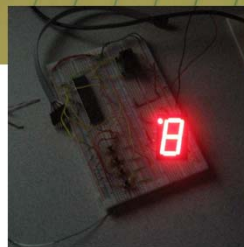
Soldering

In Class



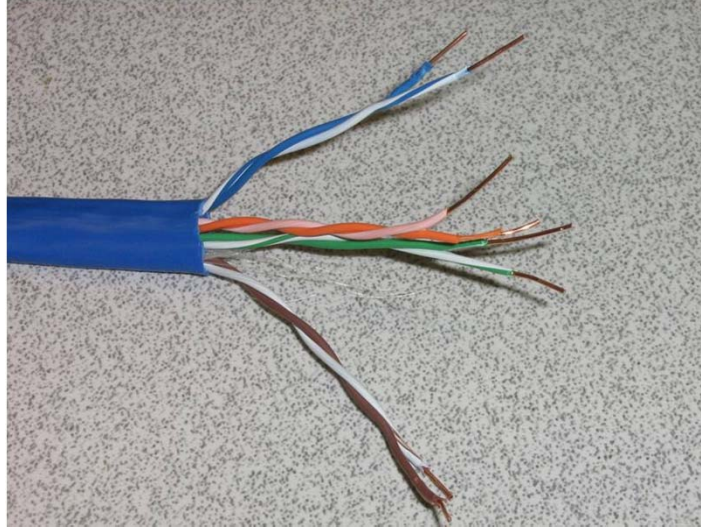
ME430: MECHATRONICS

Finished product



ME430: MECHATRONICS

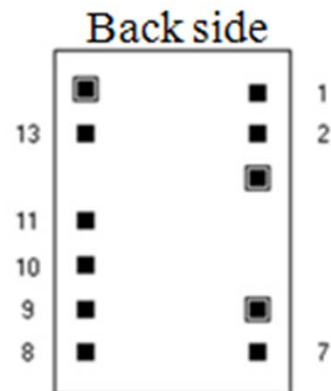
Strip both ends of each wire



ME430: MECHATRONICS

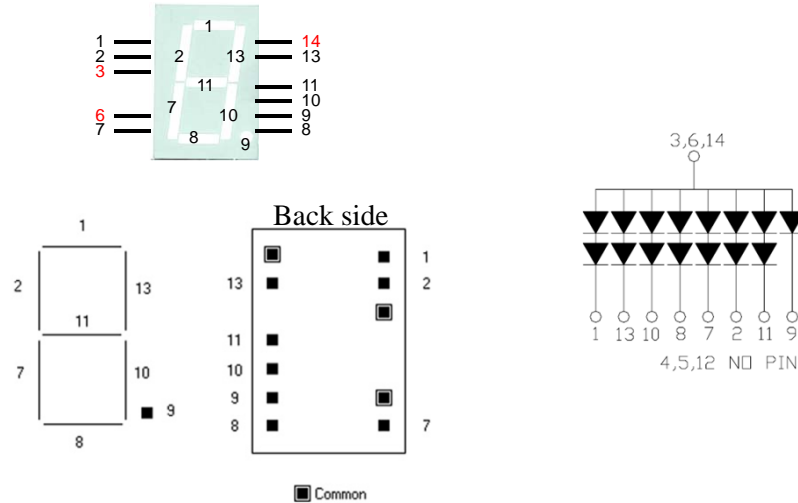
Solder resistors to display

- Find eight 330 ohm resistors
- Shorten one leg of each
- Solder the short leg of one resistor to each cathode



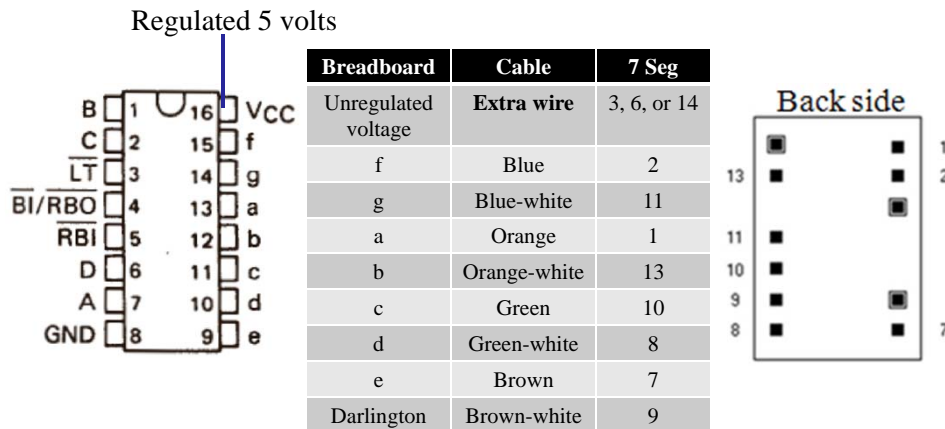
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Recall: 7 segment display pins



ME430: MECHATRONICS

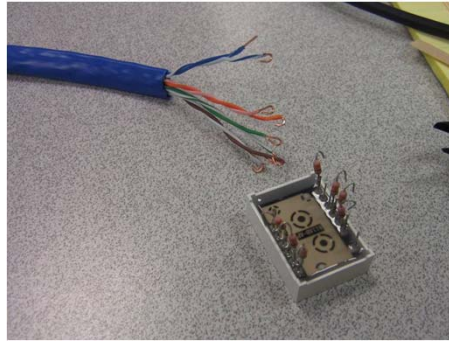
We will connect this way



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Connect resistors to wires

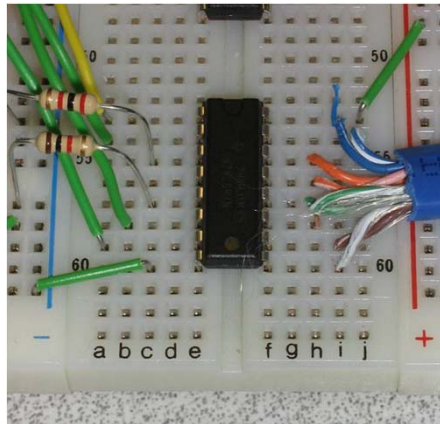
- Make hook on resistors, hook on wires
- Hook the resistors to the wires as shown in table (previous slide)
- Now solder



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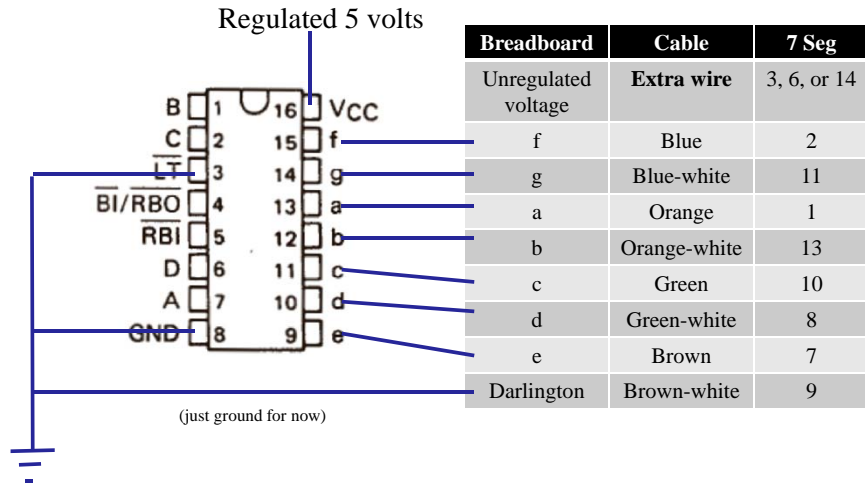
Plug in

- Connect to 7 segment driver (review table)

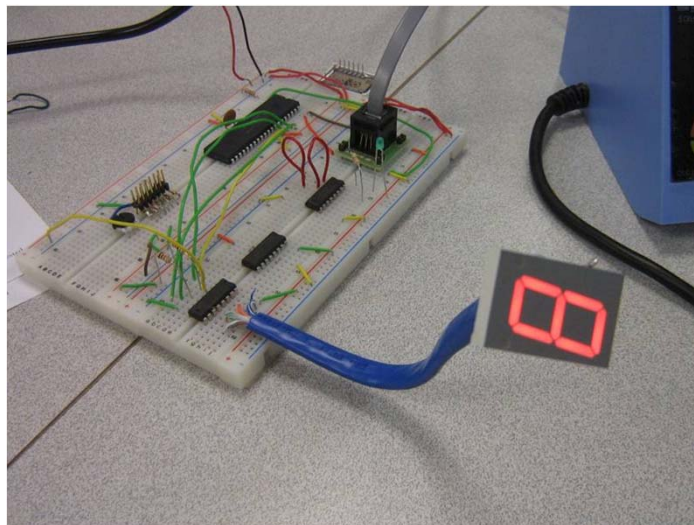


ME430: MECHATRONICS

Light test circuit



Demo finished product



Finished product requirements

- Display 0,1, 2, 3, 4, 5, 6, 7, 8, 9 and the decimal point
- Check off soldering with either part of Lab 6
 - “Controlling 7-Segment Displays with the PIC”
 - “Reading and Displaying an Analog Input with the PIC”

