

out of the **B** **X**

MAX V CPLD Development Kit Assembly Guide

Last Updated August 24, 2016

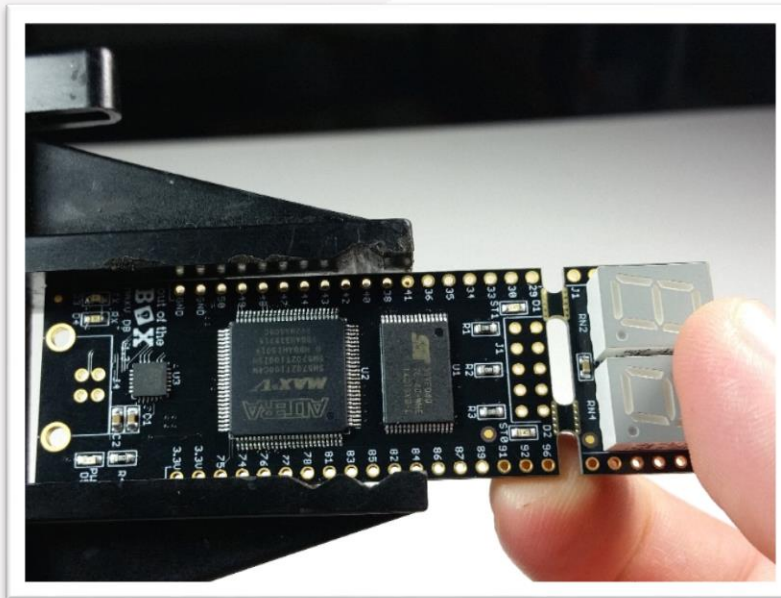
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Soldering Procedure

Step 1:

Break off the Seven Segment LED Board



Step 2:

Break apart the three 40-pin headers

From header 1: 5x 8-pin headers

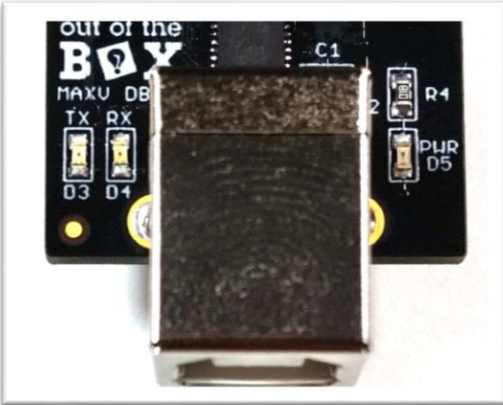
From header 2: 1x 8-pin, 2x 7-pin, 2x 5-pin, and 1x 3-pin headers

From header 3: 2x 18-pin headers and 2x 2-pin headers



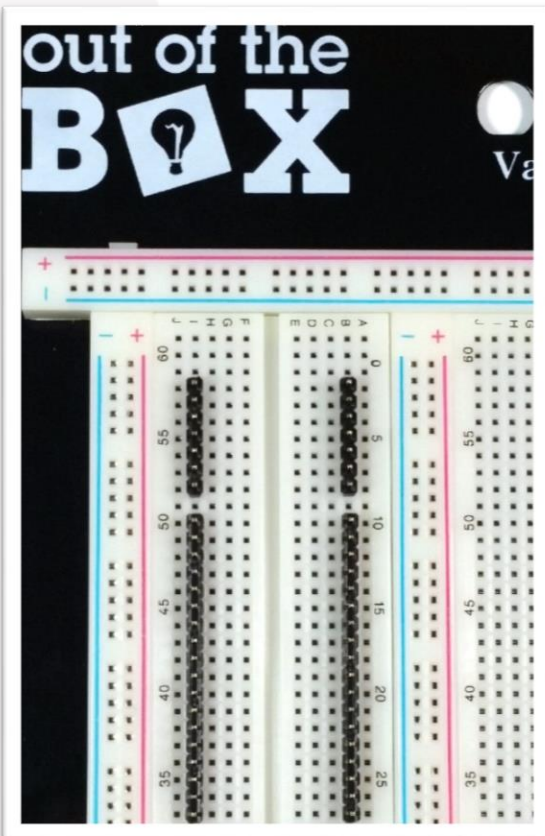
Step 3:

Solder the USB Connector to the MAX V Development Board.



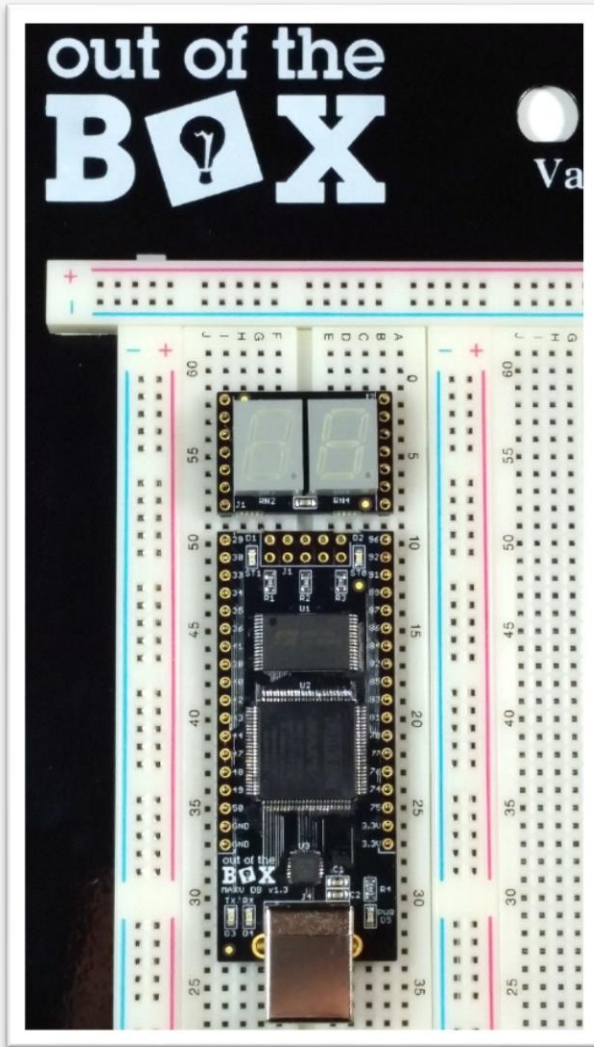
Step 3:

Insert the 18-pin and 7-pin headers as displayed. The long side of the headers will be inserted into the breadboard.



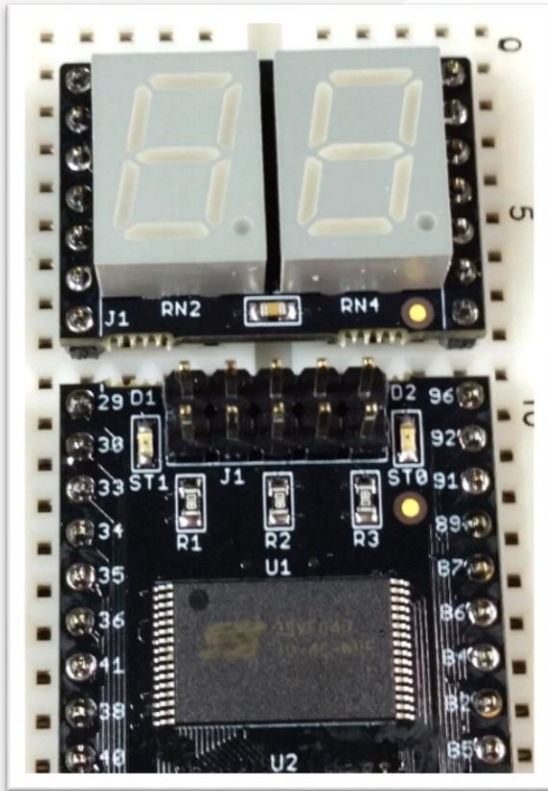
Step 5:

Place the MAX V Development Board and the Seven Segment LED Board onto the headers from step 4. Solder the headers to the boards.



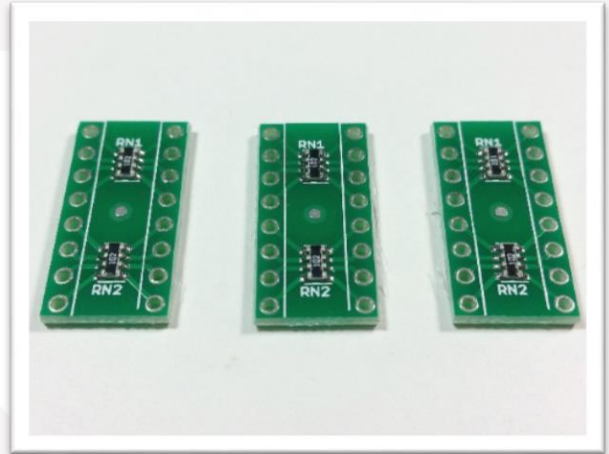
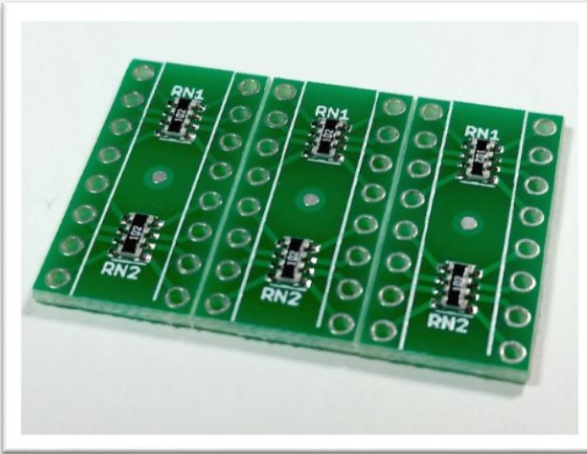
Step 6:

Solder the 5-pin headers to J1 as displayed. The long portion of the headers will point up. To solder these pins, the MAX V Development Board will need to be removed from the breadboard.



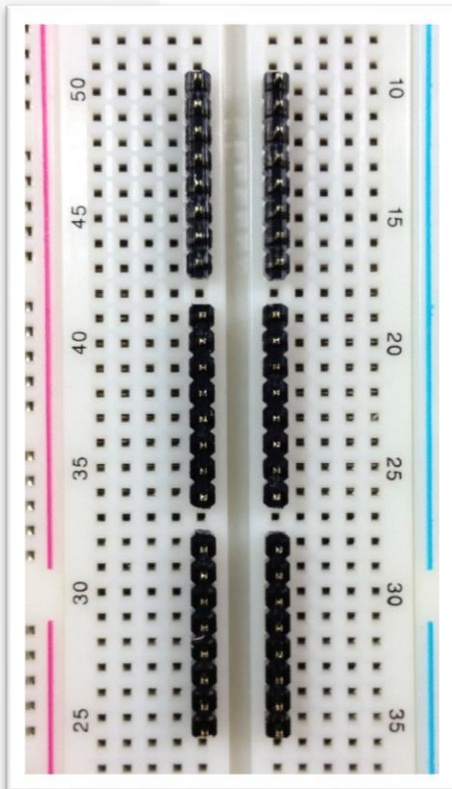
Step 7:

Break apart the DIP resistor boards from the array.



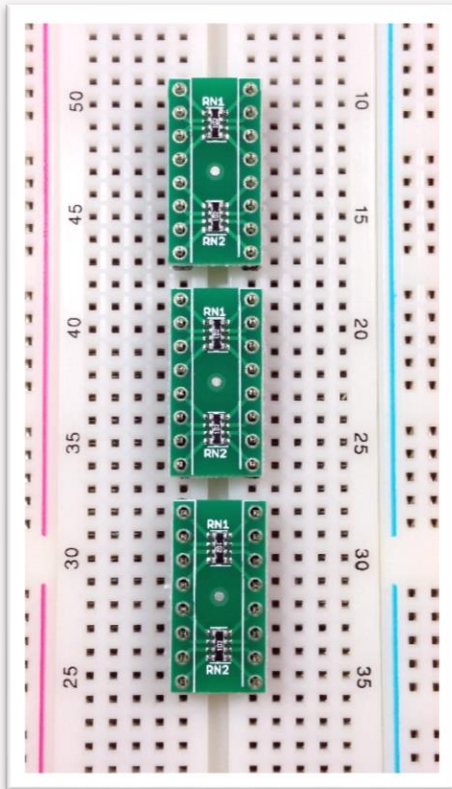
Step 8:

Place the 8-pin headers into the breadboard as displayed.



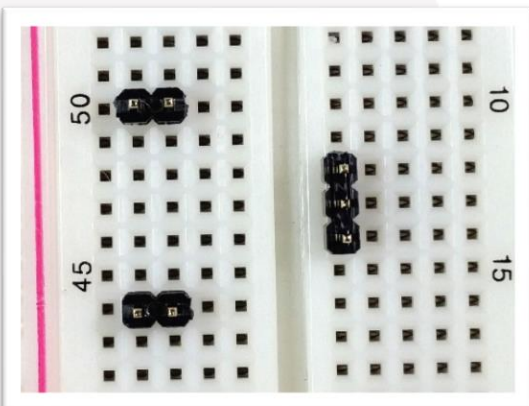
Step 9:

Place the DIP resistor boards onto the headers and solder.



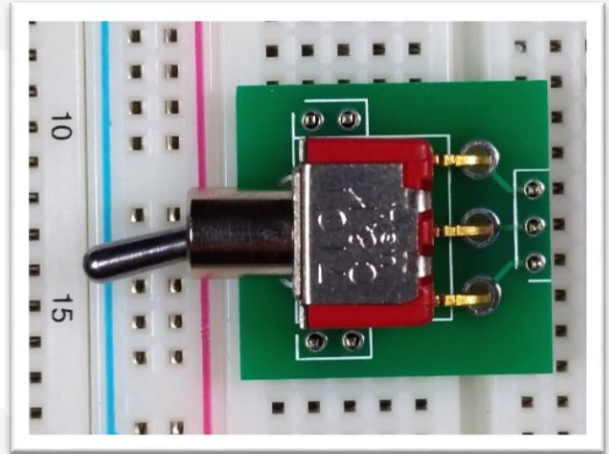
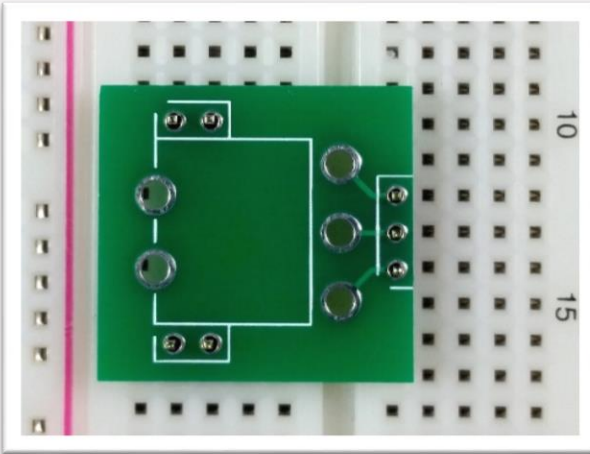
Step 10:

Insert the 2-pin headers and the 3-pin header into the breadboard as displayed.



Step 11:

Place the switch breakout board and switch as displayed, and then solder.



Step 12:

Remove the switch breakout board from the breadboard and solder the remaining mechanical mounts of the switch.

