

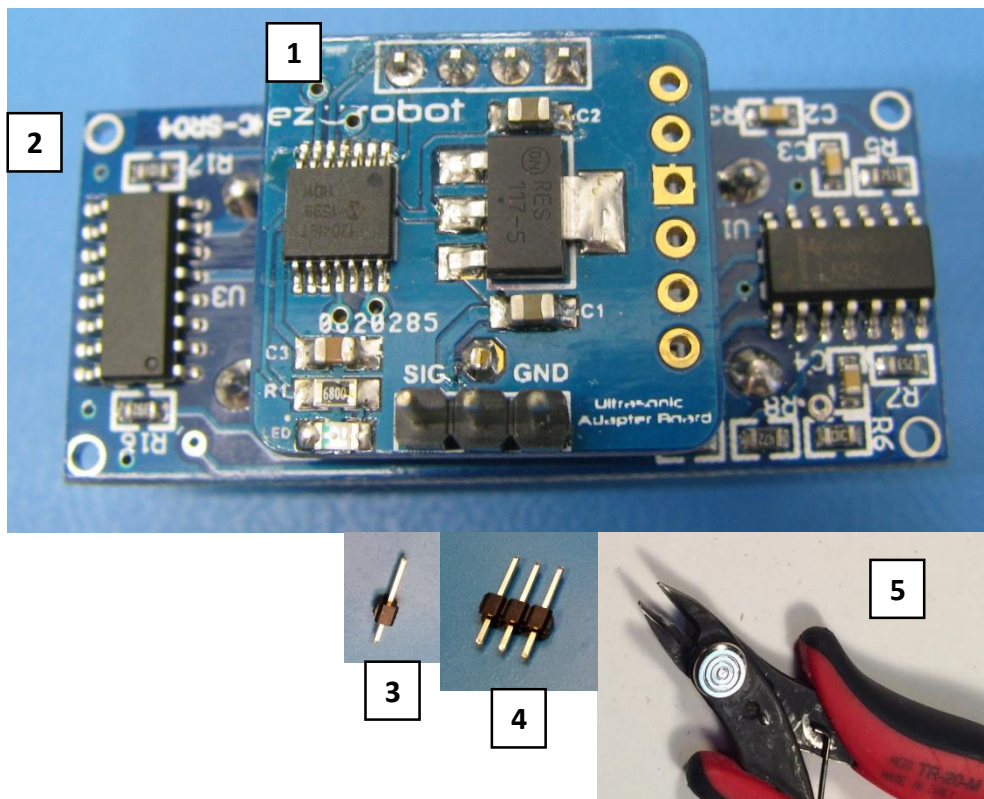
SYNTHIAM

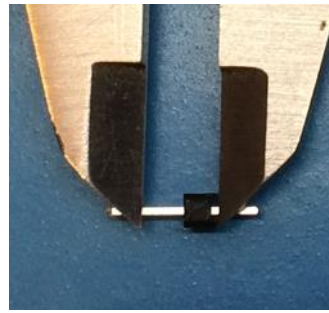
Electronic Assembly Instructions

Ultrasonic [E-18] Rev 3

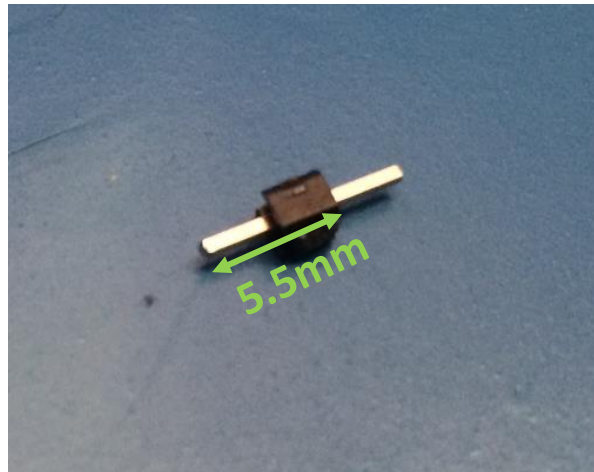
PARTS & TOOLS

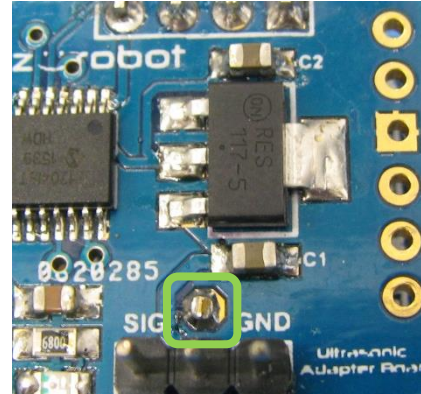
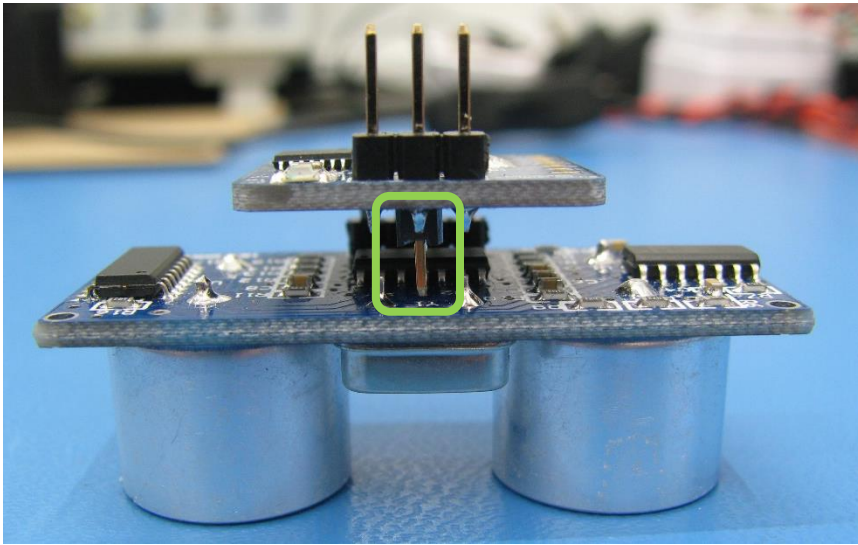
#	Qty	Name
1	1	Ultrasonic Adapter Board
2	1	Ultrasonic Sensor
3	1	40-pin Black male 0.1" pitch Male header (3 pin broken off)
4	1	40-pin Black male 0.1" pitch Male header (1 pin broken off)
5	1	Flush Cutters



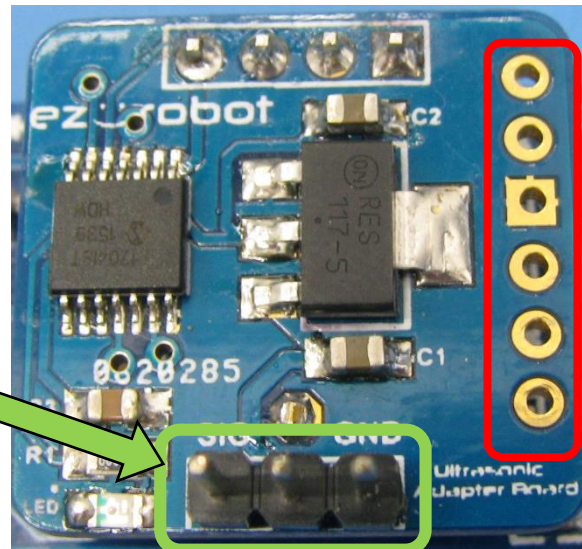
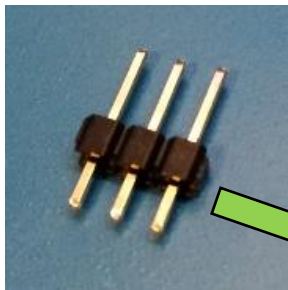


Step 1. Trim the 1pin header to a length of 5.5mm (measured from the base of the plastic).

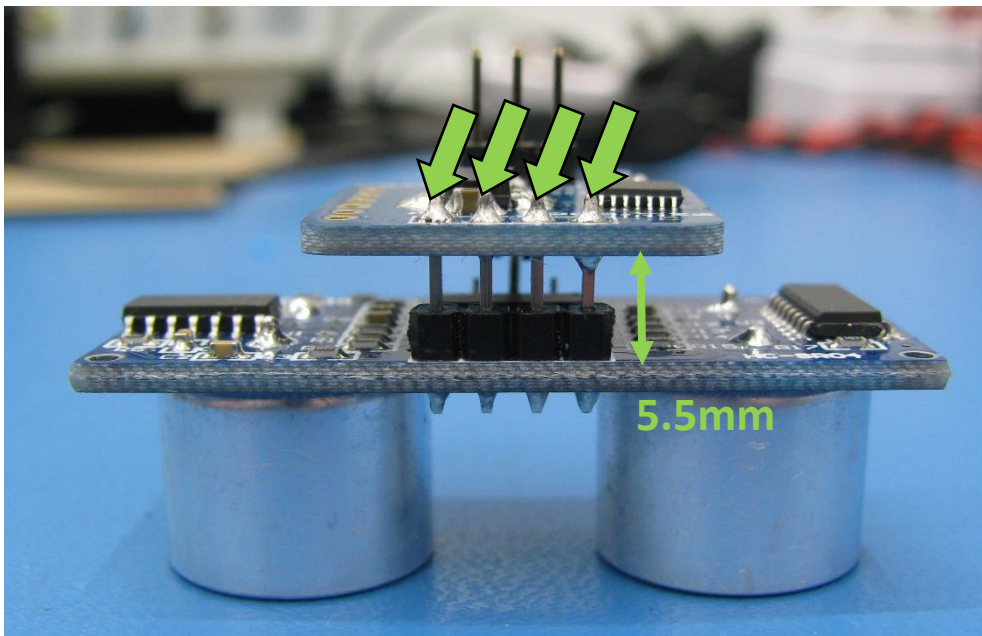




Step 2. Solder the 1pin header to the P4 position on the bottom side of the E-18 PCB.



Step 3. Solder the 3pin header to the P1 position on the top side of the E-18 PCB. Leave P3 unpopulated.



Step 4. Solder the TP-006 ultrasonic sensor to P2 position of the E-18 PCB.



E-18 is now complete!