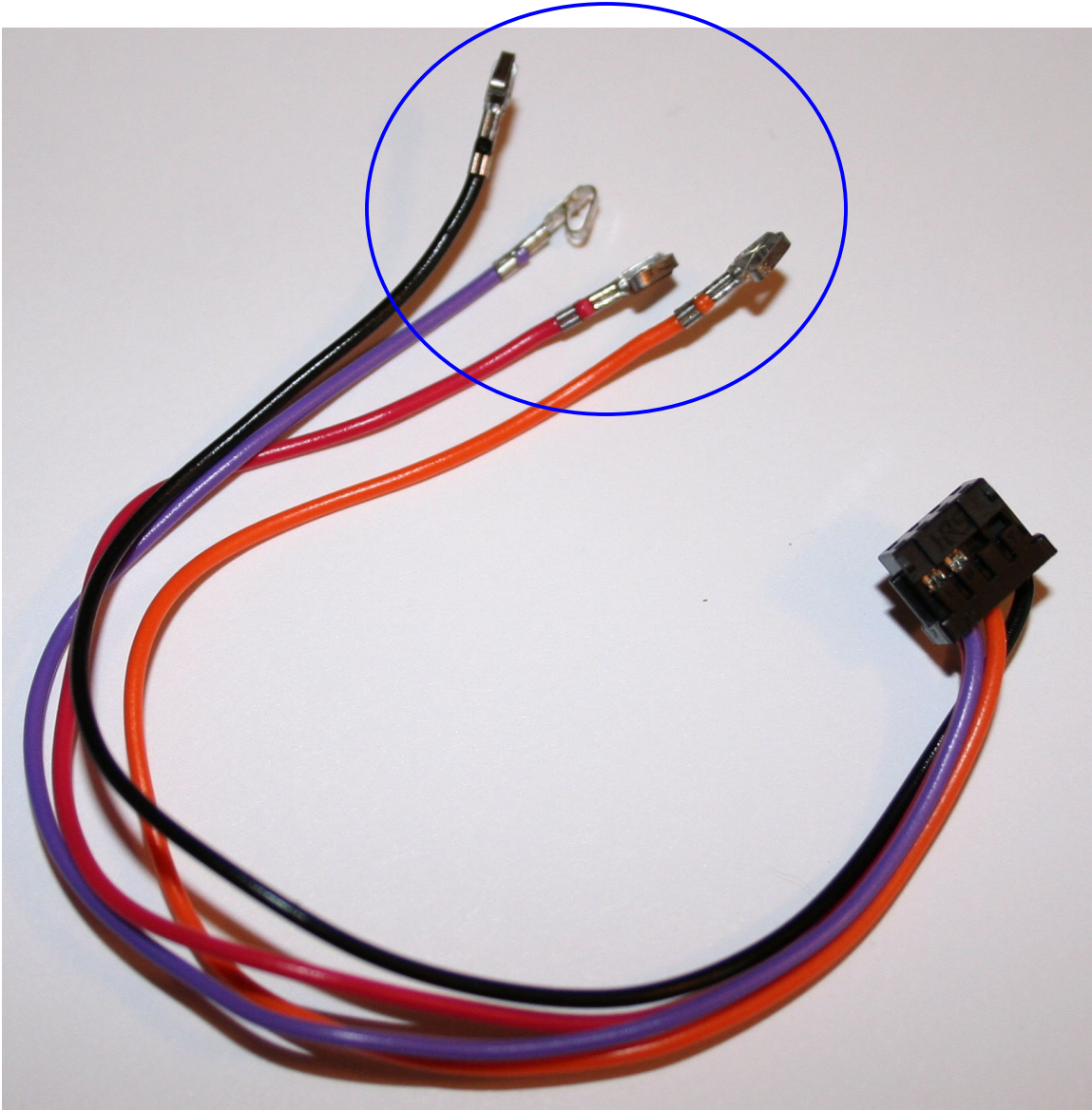




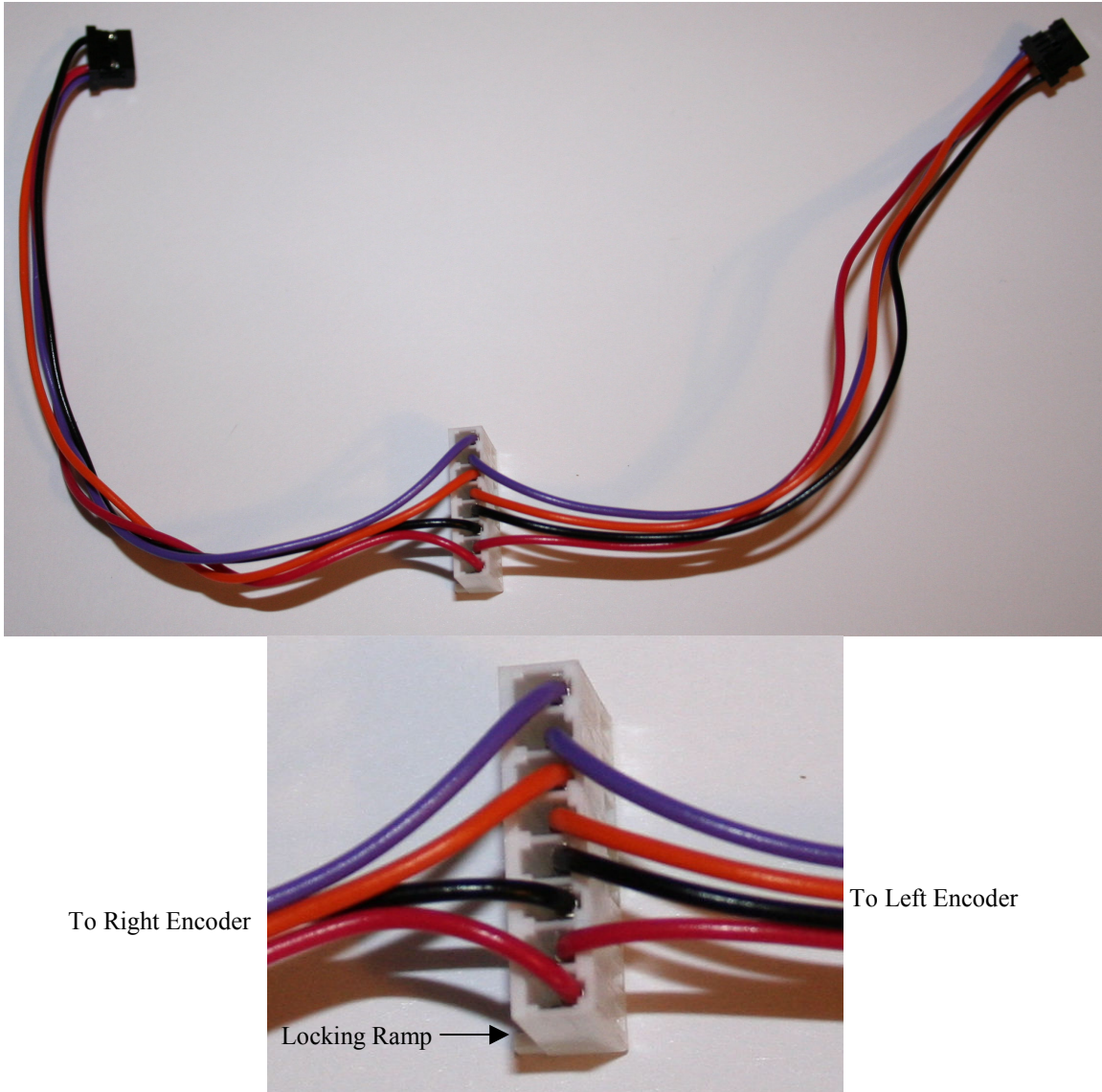
Crimp (8)-Female Crimp Pins:



Figure#2. Crimp female crimps to the WW-02 cable.

Crimp the (8)-female crimp pins to the orange, violet, black and red wires.

Insert Female Crimps into 8-Pin Polarized Connector:

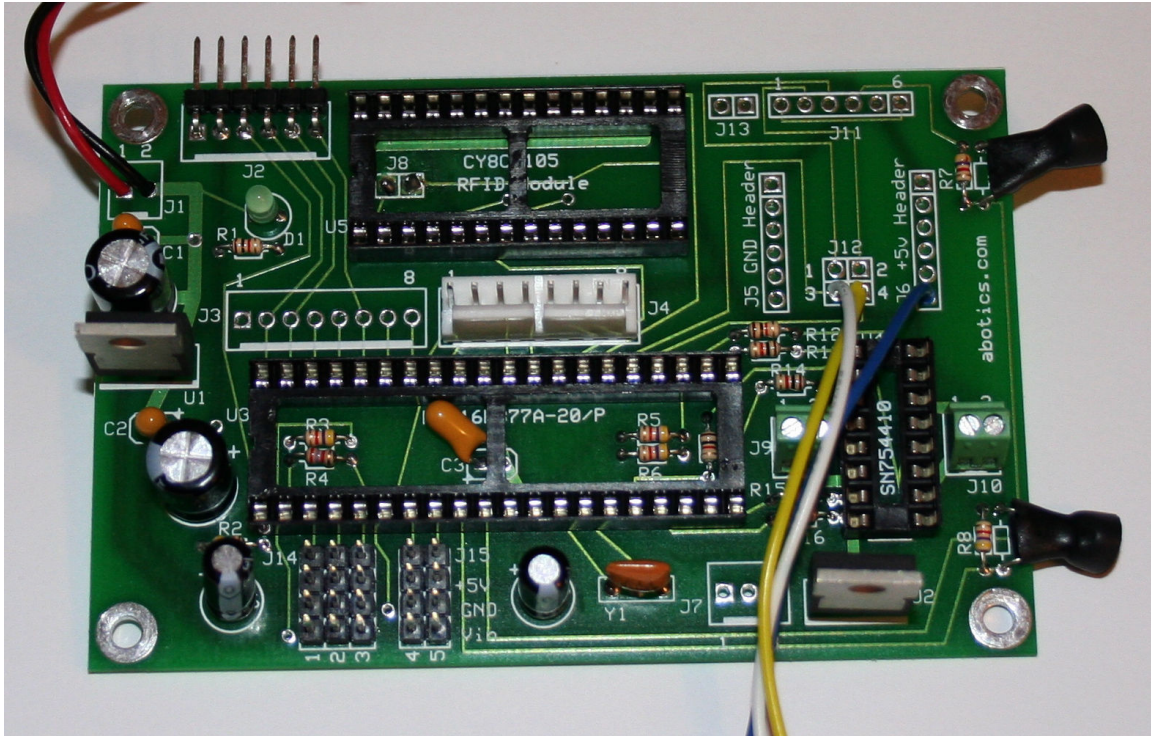


Figure#3. Insert female crimps into 8-pin polarized connector.

Insert the WW-02 cable ends with the just crimped female crimps into the 8-pin polarized connector according to figure#3. Notice the locking ramp is on the left side.

***Failure to properly insert the wires into the correct location may result in damage to the WW-02 encoders and/or the OPEN-ROBOT controller board.***

Solder 8-Pin Polarized Header to OPEN-ROBOT Controller, J4:

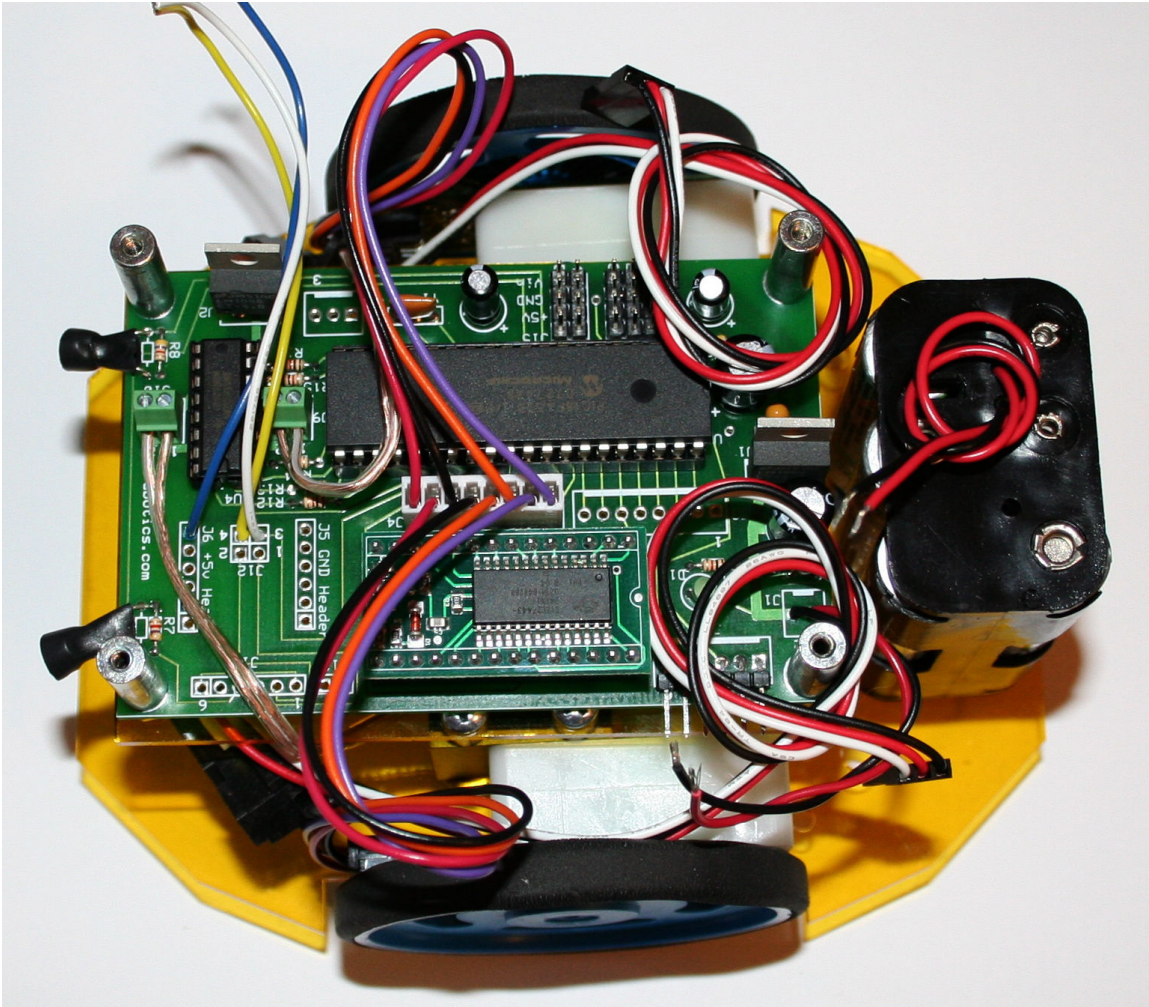


Figure#4. Solder 8-Pin Polarized Header, J4

Solder the 8-pin polarized header to the J4 location on the OPEN-ROBOT controller board. Please note the orientation of the locking tab since this is what polarizes the connector.

***Improper orientation may result in damage to the WW-02 encoders and/or the OPEN-ROBOT controller.***

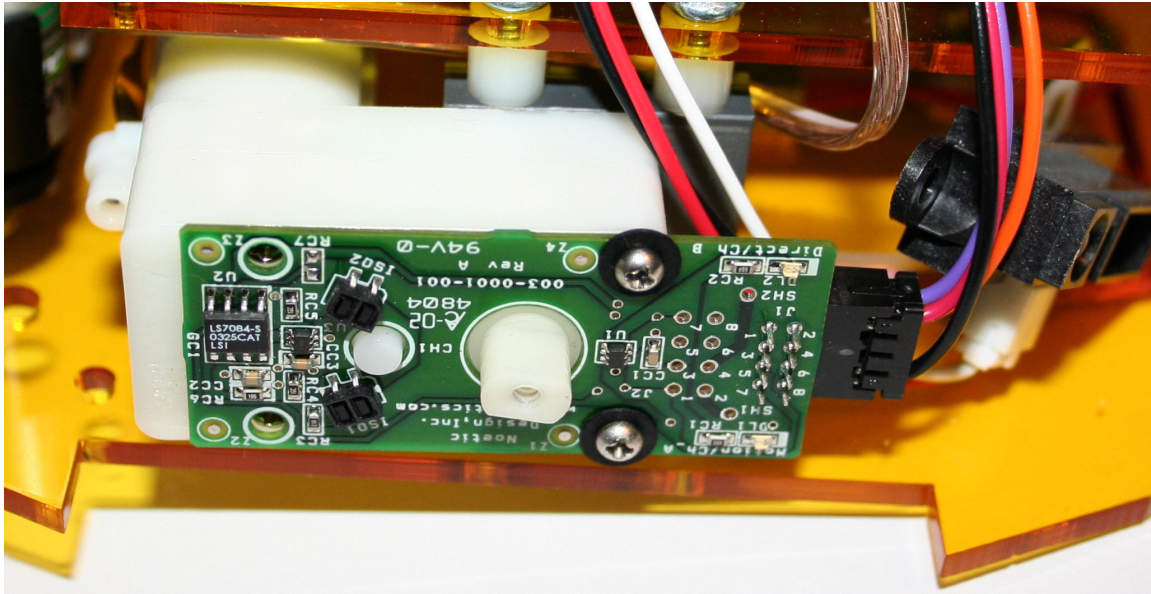
Connect WW-02 Cables to OPEN-ROBOT Controller:



Figure#5. Connect WW-02 Cables to OPEN-ROBOT Controller, polarized header J4.

Connect the 8-pin polarized connector to the 8-pin polarized header on the OPEN-ROBOT controller board, J4.

Attach WW-02 Encoders to GM8 Gear Motors:



Figure#6. Attach WW-02 Encoder to GM8 Gear Motor and plug in WW-02 cable.

Attach the WW-02 encoders to OPEN-ROBOT's GM8 gear motors using the #2-56 x 1" long machine screws and supplied #2 fiber washers. Also, be sure to plug the WW-02 cable into the encoder.

Attach WW-02 Encoder Discs to OPEN-ROBOT Wheels:



Figure#7. Attach WW-02 Encoder Disc to GM8 Wheel.

Finally attach the WW-02 encoder discs to each wheel by peeling off the protective paper that covers the sticky-back adhesive. Then align the encoder disc over the back of the wheel and press into place. Finally attach the rubber wheel band and mount the wheel onto OPEN-ROBOT's GM8 motor.