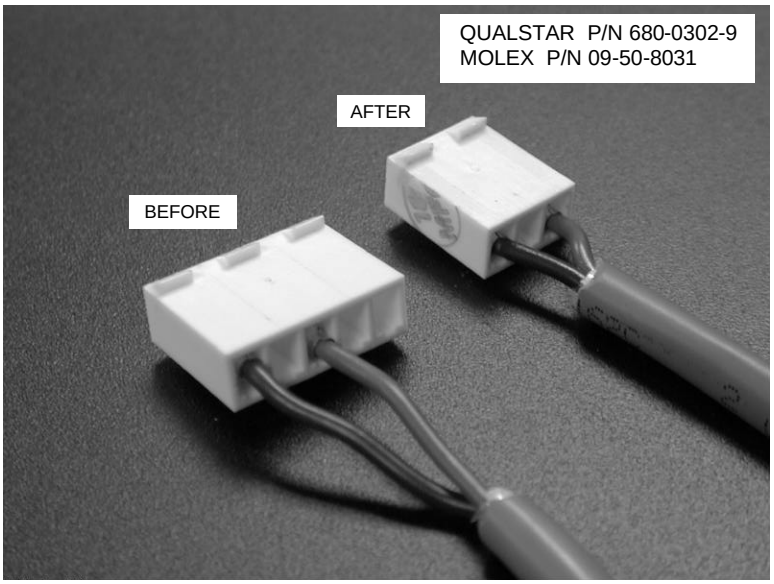
This procedure will lead you through the process of converting internal TLS Power Supply cables from a 5 pin connector to 3 pin connector.

Required Tools:

- Small Flat Blade Screwdriver

Overview:

This procedure describes the process for converting the "Drive" power supply cable from a 5 pin connector to a 3 pin connector (Qualstar part number 680-0302-9). No cutting of wires or crimping of connectors is required. The process involves extracting pins from the 5 pin connector and reinserting them into a 3 pin connector. TLS libraries built after mid-year 2001, were fabricated with 3 pin connectors and no connector modifications are required.



Procedure:

1. Connector pins: Note the small tab on the top of the connect pin. The tab locks the connector pin inside the connector housing. The tab must be depressed in order to remove the pin from the housing.

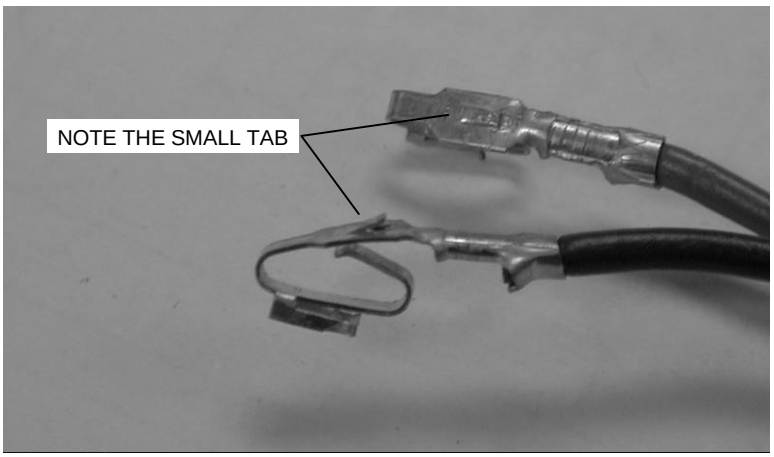


Figure 1 Detail of the Connector Pins

2. Pin Extraction: While gently pulling on the wire, insert the blade of a small flat blade screw driver into the slot in the connector housing and apply downward force sufficient to collapse the tab (see Figure 1). When the tab is sufficiently depressed, the connector pin will slide out of the housing (see Figure 2). The tab should spring back when pressure is removed.

CAUTION

Using too much downward force in Step 2 may permanently damage the connector.

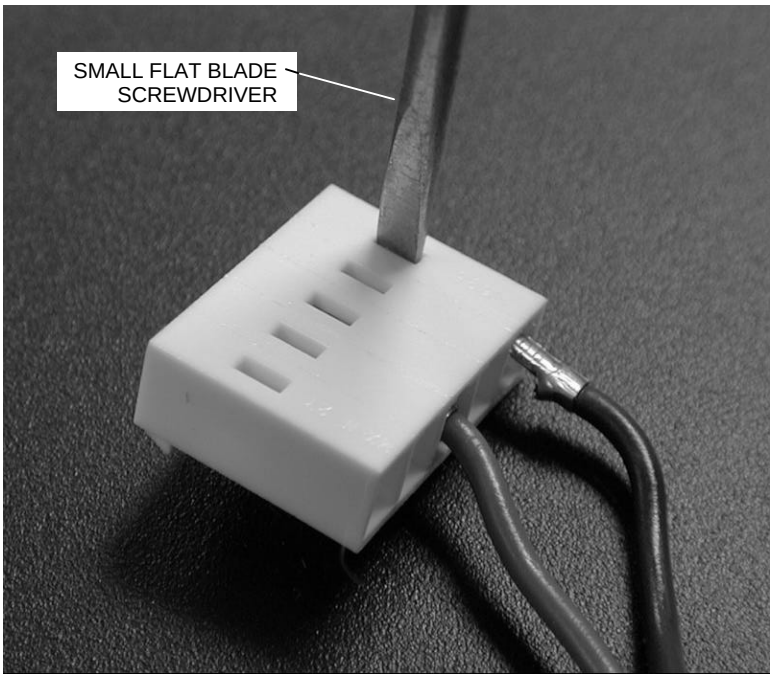


Figure 2 Small Screwdriver used to depress the Tabs

3. Reassembling the 3 pin connector: Insert the RED wire into pin 1 and the BLACK wire into pin 3.

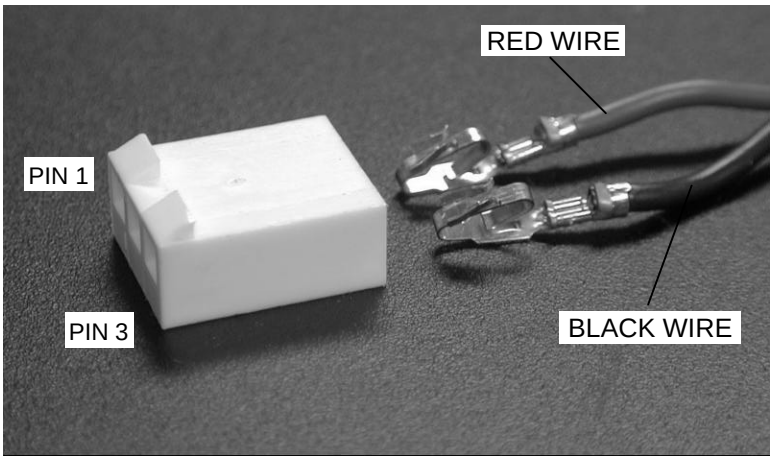


Figure 3 3 Pin Connector Housing and Wires ready for Assembly

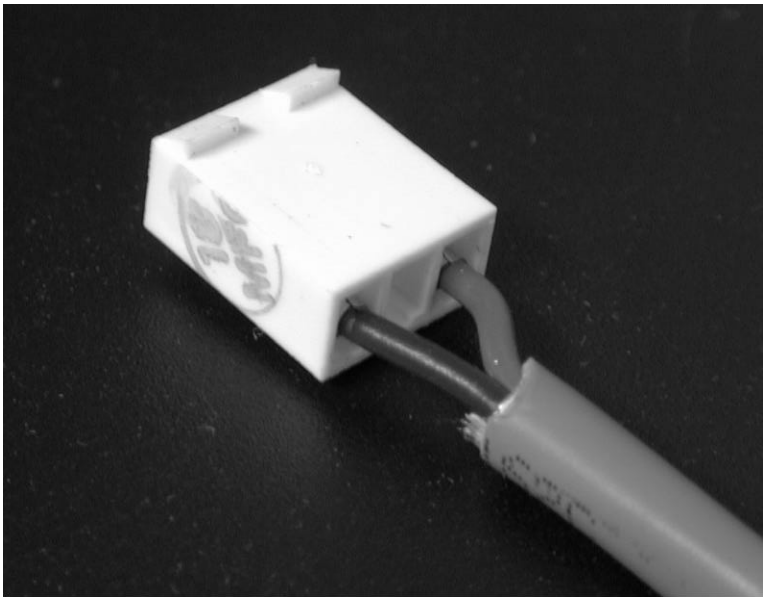


Figure 4 Completed 3 Pin Connector