



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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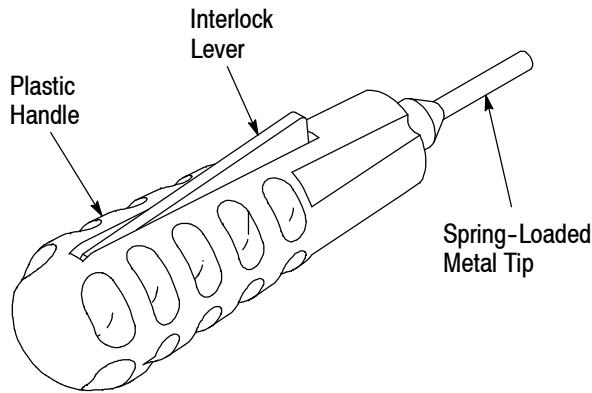


Figure 1

**1. INTRODUCTION**

Extraction Tool 318837-1, shown in Figure 1, is designed to remove the .093 Commercial Pin and Socket contacts listed in Figure 2 from connector housings. Read these instructions thoroughly before attempting to remove any contacts.

**.093 COMMERCIAL PIN AND SOCKET CONTACT BASE PART NUMBER**

STRIP-FORM	LOOSE-PIECE
350415	770144
350416	770145
350417	770146
350418	770147
770383	
770385	
770529	
770530	
770815	

Figure 2

**2. DESCRIPTION** (Figure 1)

The extraction tool consists of a spring-loaded metal tip with an integral plunger mounted to a plastic handle with an interlock lever. When the interlock lever is depressed, the plunger is held until the contact locking lances are depressed by the tip. After the lever is released, the plunger is released, permitting the contact to be pushed out the rear of the housing.

**3. EXTRACTION PROCEDURE** (Figure 3)

1. Determine the contact to be removed and grasp the wire attached to that contact.
2. Move the contact forward as far as possible by pushing the wire toward the housing.

**NOTE**  
If pushing the wire by hand is difficult, use Insertion Tool 91002-1.

3. Depress the extraction tool interlock lever and insert the tip of the tool into the contact cavity in the mating face of the housing. Make sure that the tip is completely bottomed in the cavity.

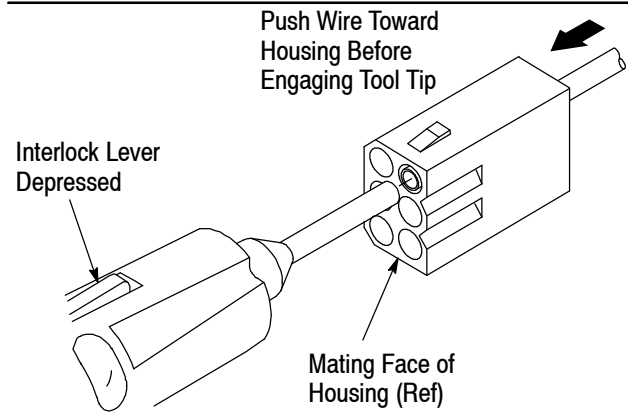


Figure 3

4. While holding the extraction tool in position and pulling back on the wire, release the interlock lever and push the tool handle forward. The wire and contact should pull out of the housing.

**NOTE**  
Before using the contact again, reset the locking lances to their original positions. To obtain the correct setting dimensions for the locking lances, consult the Customer Drawing covering the specific contact, or contact TE Connectivity Engineering.

**4. TOOL MAINTENANCE**

It is recommended that the tool be inspected when you receive it and at regularly scheduled intervals. The tool is not repairable and should be replaced when it is worn or damaged. Store the extraction tool in a clean, dry place and clean the extraction tool with a soft, lint-free cloth.

Additional tools can be purchased from:

CUSTOMER SERVICE (38-25)  
TYCO ELECTRONICS CORPORATION  
PO BOX 3608  
HARRISBURG PA 17105-3608

**5. REVISION SUMMARY**

- Updated document to corporate requirements
- New logo