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.

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## Contact us

| Extractor Tool | **molex**® <br><br> **Application Tooling Specification Sheet** |  <br><br> **Order No. 63824-4600** |
|---|---|---|
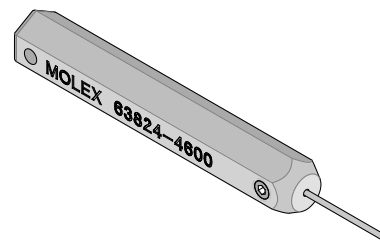
## FEATURES

- The 63824-4600 Extraction Tool is designed to remove crimp terminals from Nano-Fit™ power connectors. See below.

## SCOPE

Products: Nano-Fit™ Power Connectors and Crimp Terminals 20-26 AWG.

| Terminal Series No. | Terminal Order No. | Housing Series No. | Housing Order No. | | | | |
|---|---|---|---|---|---|---|---|
| 105300 <br> 20-26 AWG <br> Nano-Fit™ | 105300-1100 <br> 105300-1200 <br> 105300-1300 <br> 105300-2100 <br> 105300-2200 <br> 105300-2300 | 105307 | 105307-1102 | 105307-1103 | 105307-1104 | 105307-1105 | 105307-1106 |
| | | | 105307-1107 | 105307-1108 | 105307-2101 | 105307-2103 | 105307-2104 |
| | | | 105307-2105 | 105307-2106 | 105307-2107 | 105307-2108 | |
| | | 105308 | 105308-1102 | 105308-1103 | 105308-1104 | 105308-1105 | 105308-1106 |
| | | | 105308-1107 | 105308-1108 | 105308-2101 | 105308-2103 | 105308-2104 |
| | | | 105308-2105 | 105308-2106 | 105308-2107 | 105308-2108 | |
| | | **With TPA Feature** | | | | | |
| | | 105307 | 105307-1202 | 105307-1203 | 105307-1204 | 105307-1205 | 105307-1206 |
| | | | 105307-1207 | 105307-1208 | 105307-2202 | 105307-2203 | 105307-2204 |
| | | | 105307-2205 | 105307-2206 | 105307-2207 | 105307-2208 | |
| | | 105308 | 105308-1202 | 105308-1203 | 105308-1204 | 105308-1205 | 105308-1206 |
| | | | 105308-1207 | 105308-1208 | 105308-2202 | 105308-2203 | 105308-2204 |
| | | | 105308-2205 | 105308-2206 | 105308-2207 | 105308-2208 | |

## DESCRIPTION:

This extractor tool is 57.3 mm (2.26 in.) long by 6.35mm (.25 in.) diameter, and weight about 0.03kg (1 oz.).  See Figure 1.

**TPA Latch**

Before terminals can be extracted the TPA latch must be opened first on Nano-Fit™ power connectors that have the TPA feature see chart above.

1. Using a small screwdriver insert the flat edge under the tab of the TPA lock.  See Figure 2.
2. Pull up and push out towards the crimped wire.
3. Repeat this on the opposite side of the TPA lock.  The TPA lock should be removed completely from the power connector.
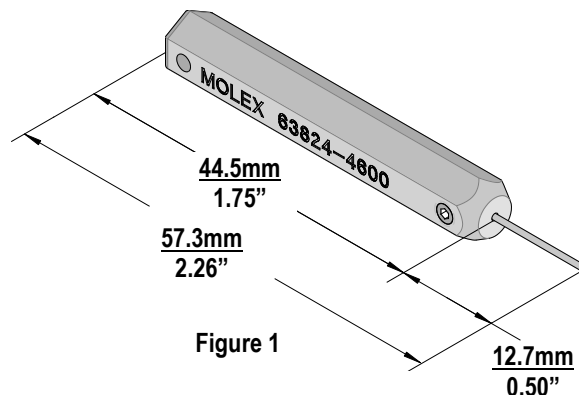


**44.5mm** <br> **1.75"**

**57.3mm** <br> **2.26"**

**Figure 1**

**12.7mm** <br> **0.50"**

## OPERATION:

When removing a damaged crimped wire from the Nano-Fit™ power connector follow the steps below:

1. Position the blade of the extraction tool into the slot (in line with the crimped terminal to be removed) in the front face of the housing as shown in Figure 3.
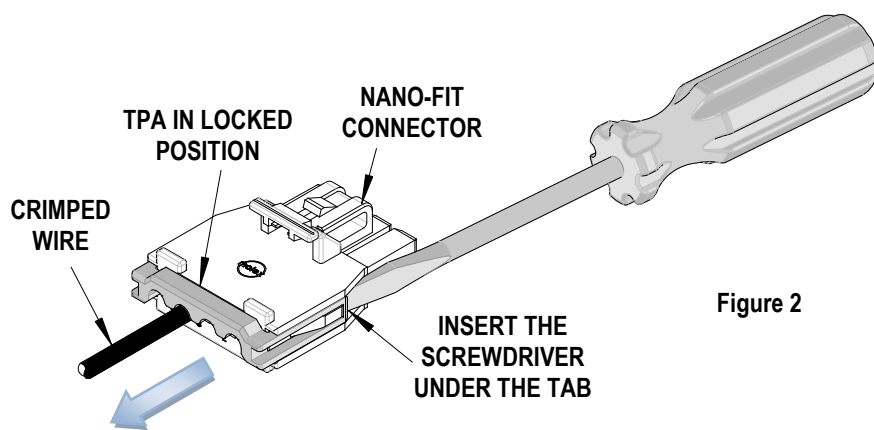
**TPA IN LOCKED POSITION**

**NANO-FIT CONNECTOR**

**CRIMPED WIRE**

**INSERT THE SCREWDRIVER UNDER THE TAB**

**Figure 2**

**WIRE**

**EXTRACTOR TOOL**

**NANO-FIT CONNECTOR**

**SLOT IN THE CONNECTOR**
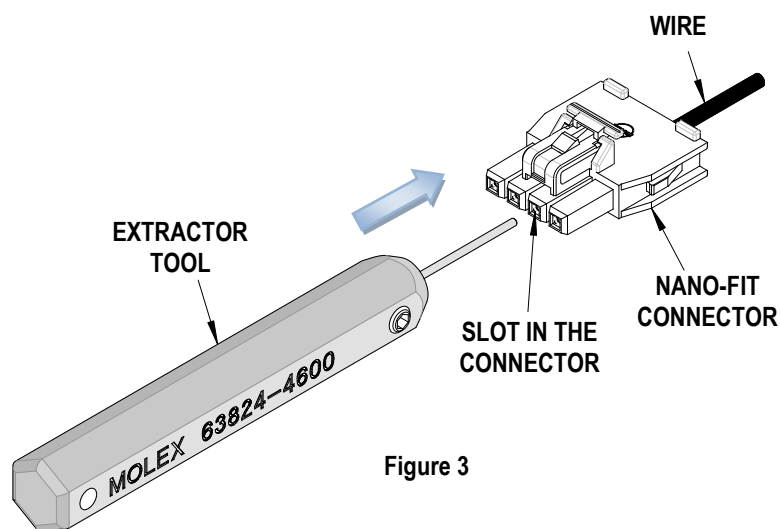
MOLEX 63824-4600

**Figure 3**

2. Push the terminal forward in the arrow direction before using the Extractor Tool as shown in Figure 4.
3. Insert the Extractor Tool into the slot of the connector housing. Push extractor tool into the slot until it clicks or comes to a stop. Do not force the extractor tool any farther, otherwise it may damage the housing.
4. Depress the terminal tang and push the terminal back through the connector slot.
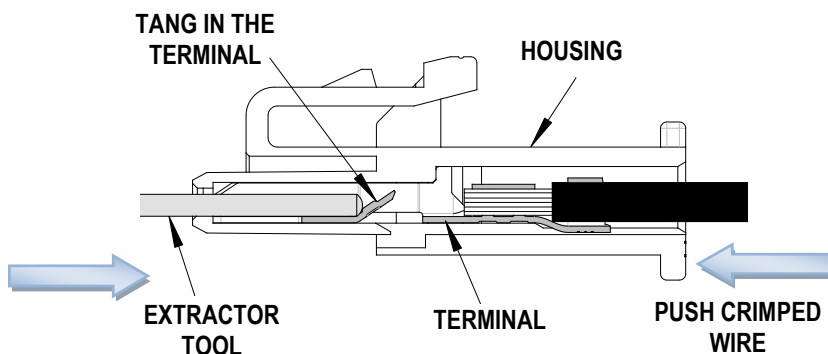
**TANG IN THE TERMINAL**

**HOUSING**

**EXTRACTOR TOOL**

**TERMINAL**

**PUSH CRIMPED WIRE**

**Figure 4**

5.   Holding the extractor tool against the housing, gently pull the crimped wire out of the connector.  See Figure 5.

**NOTE:**
When a terminal is removed in this manner the locking tangs are damaged and the terminal is not reusable.
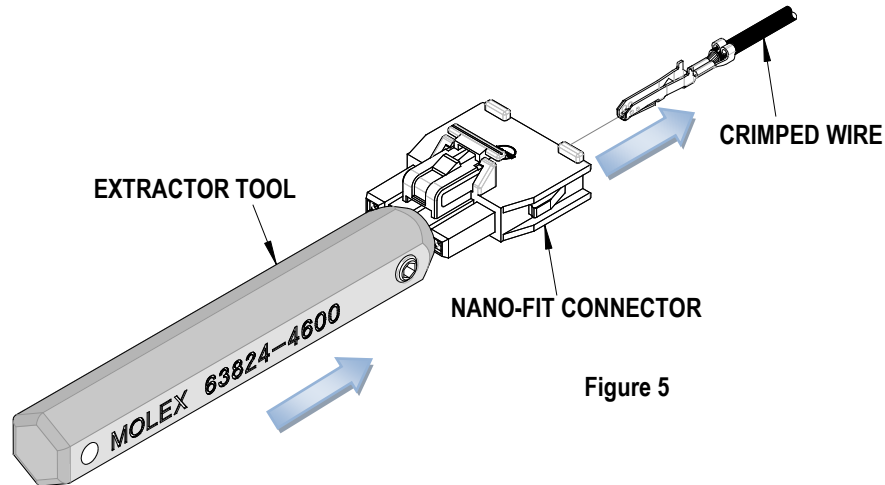
**EXTRACTOR TOOL**

**MOLEX 63824-4600**

**CRIMPED WIRE**

**NANO-FIT CONNECTOR**

**Figure 5**

CAUTION:  This extractor tool should be used to extract the terminal or seal cap only.  Using it for unintended purposes may cause injury or damage to parts.  Be careful not to deform the end of the terminal.  Avoid lifting the housing lock too high.

CAUTION:  Molex specifications are valid only when used with Molex terminals, applicators and tooling.

Molex does not offer repair parts for Extractor Tools due to the inexpensive nature of these tools.

## Contact Information
For more information on Molex application tooling please contact your nearest Molex location shown below.

Visit our Web site at http://www.molex.com