



NOTE

All numerical values are in metric units [with U.S. customary units in brackets]. Dimensions are in millimeters [and inches]. Unless otherwise specified, dimensions have a tolerance of ± 0.13 mm [$\pm .005$ in.] and angles have a tolerance of $\pm 2^\circ$. Figures and illustrations are for identification only and are not drawn to scale.

1. INTRODUCTION

This specification covers the requirements for application of Terminal Block Crimp Style Plug Housing with the Junior Power Timer Contacts. The housing is available in 2 through 6 positions in either gray or green colors. The crimp style housing will mate with BUCHANAN* and other 5.08-mm [.200-in.] centerline industry headers.

When corresponding with TE Connectivity Personnel, use the terminology provided in this specification to facilitate inquiries for information. Basic terms and features of this product are provided in Figure 1.

Terminal Block Crimp Style Plug Housing

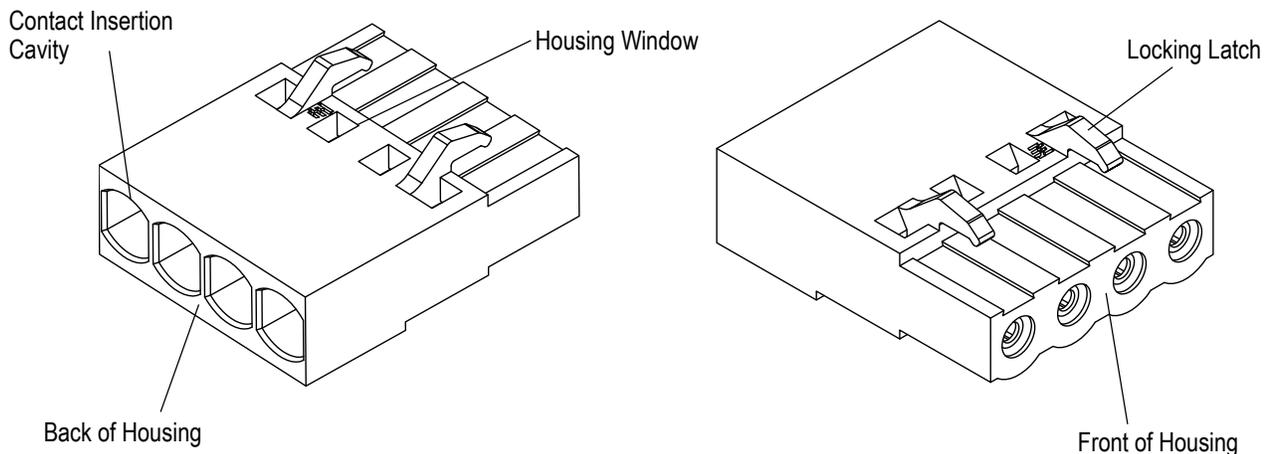


Figure 1

2. REFERENCE MATERIAL

2.1. Revision Summary

- Updated document to corporate requirements
- Changed text in Paragraph 2.2

2.2. Customer Assistance

Reference Product Base Part Number 1986160 and Product Code 7743 are representative numbers for the Terminal Block Crimp Style Plug Housing. Use of these numbers will identify the product line and help you to obtain product and tooling information. Such information can be obtained through a local TE Representative, by visiting our website at www.te.com, or by calling PRODUCT INFORMATION or the TOOLING ASSISTANCE CENTER at the numbers at the bottom of page 1.

2.3. Drawings

Customer Drawings for product part numbers are available from the service network. If there is a conflict between the information contained in the Customer Drawings and this specification or with any other technical documentation supplied, the information contained in the Customer Drawings takes priority.

2.4. Specifications

Product Specification [108-2319](#) provides product performance and test information for the connectors (housing and contacts). Product Specification [108-18013-1](#) provides product performance and test information for the contacts.

Application Specification [114-18050-1](#) provides information for the crimping of the contacts onto wires. Application Specification [114-20079](#) provides application of mating the Terminal Block Header Assemblies for the Crimp Style Housings.

3. REQUIREMENTS

3.1. Safety

Do not stack product shipping containers so high that the containers buckle or deform.

3.2. Storage

A. Ultraviolet Light

Prolonged exposure to ultraviolet light may deteriorate the chemical composition used in the product material.

B. Shelf Life

The product should remain in the shipping containers until ready for use to prevent deformation to components. The product should be used on a first in, first out basis to avoid storage contamination that could adversely affect performance.

C. Chemical Exposure

Do not store product near any chemical listed below as they may cause stress corrosion cracking in the material.

Alkalies	Ammonia	Citrates	Phosphates	Citrates	Sulfur Compounds
Amines	Carbonates	Nitrites	Sulfur Nitrites		Tartrates

3.3. Material

The housing material is made of polyester, UL 94V-0 rated (available in gray or green colors).

3.4. Contact Wire Selection, Preparation, and Contact Crimp Requirements

Refer to Application Specification 114-18050-1 for all termination requirements involving the contacts used in the Terminal Block Crimp Style Plug Housing.

3.5. Contact Insertion

The contact should be held so that the locking lance of the contact is in the same direction as the housing window. Insert the contact in the housing until the contact bottoms and the locking lance latches in the housing window. Refer to Figure 2.

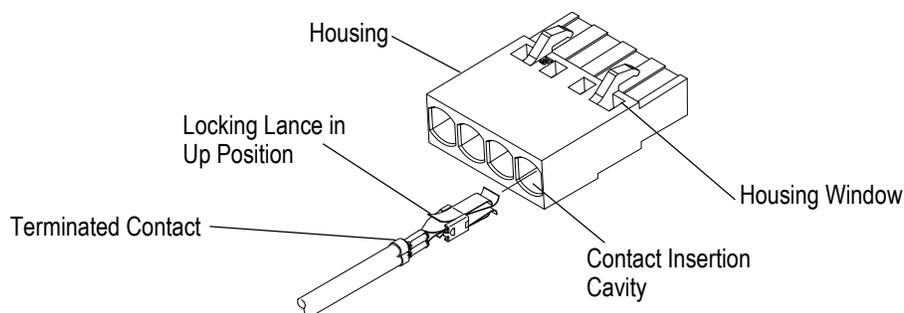


Figure 2

3.6. Contact Extraction

To release the contact from the housing, insert a probe such as a straightened paper clip or pen tip into the window of the specific contact and push down on the contact locking lance. At the same time, pull the wire gently, and the contact will disengage from the housing. See Figure 3.

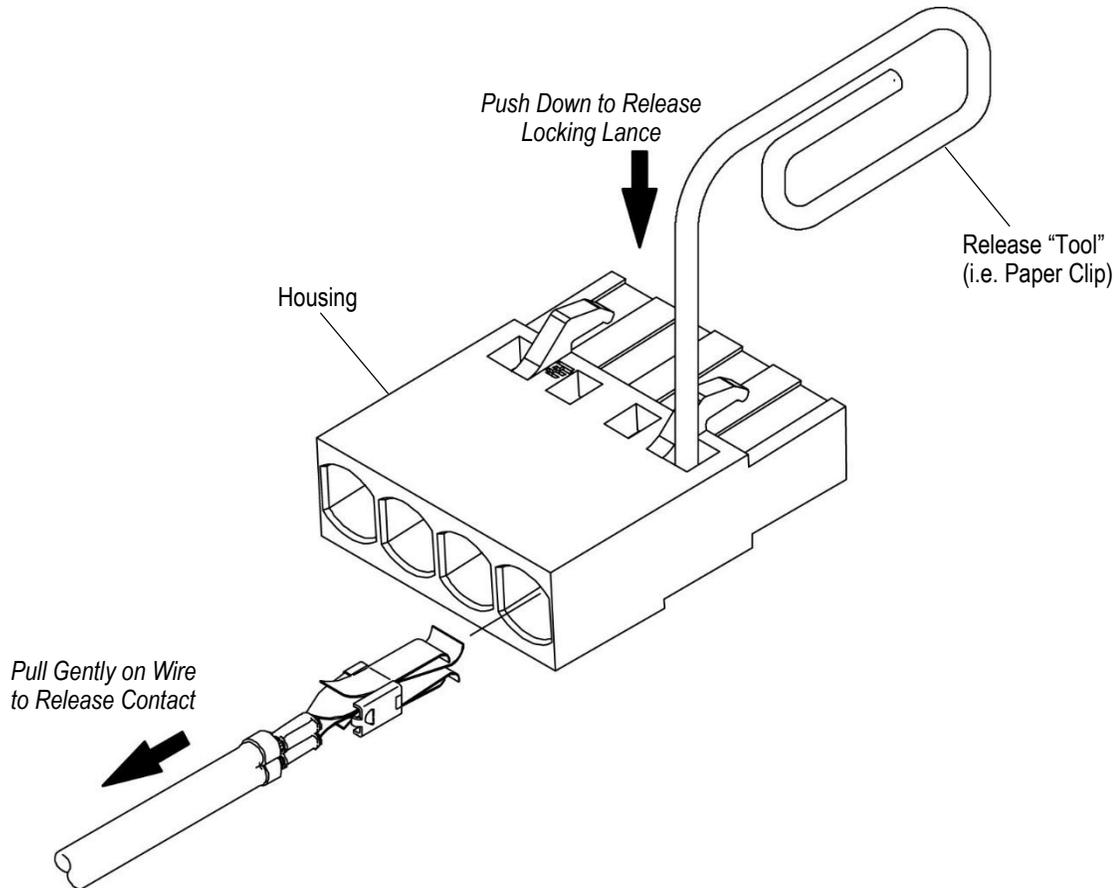


Figure 3

3.7. Repair and Replacement



CAUTION

Damaged product should not be used. If a damaged contact is evident, it should be removed from the housing, cut from the wire and replace with a new one. DO NOT re-terminate the contacts. If a damaged housing is evident, it must be replaced. If a pc board header is damaged, it must be removed from the pc board by standard de-soldering methods and replaced with a new one. Refer to Application Specification 114-20079.

4. QUALIFICATION

Terminal Block Crimp Style Plug Housings are Recognized by Underwriters Laboratories Inc. (UL) in File E28476 and for CSA International.

5. TOOLING

Refer to Application Specification 114-18050-1 for termination tooling available for contacts to be used in the Terminal Block Crimp Style Plug Housing.

6. VISUAL AID

The illustration below shows a typical application of a Terminal Block Crimp Style Plug Housing. This illustration should be used by production personnel to ensure a correctly applied product. Applications which DO NOT appear correct should be inspected using the information in the preceding pages of this specification and in the instructional material shipped with the product or tooling.

**ALL CONTACT LOCKING LANCES
MUST BE SNAPPED IN PLACE**

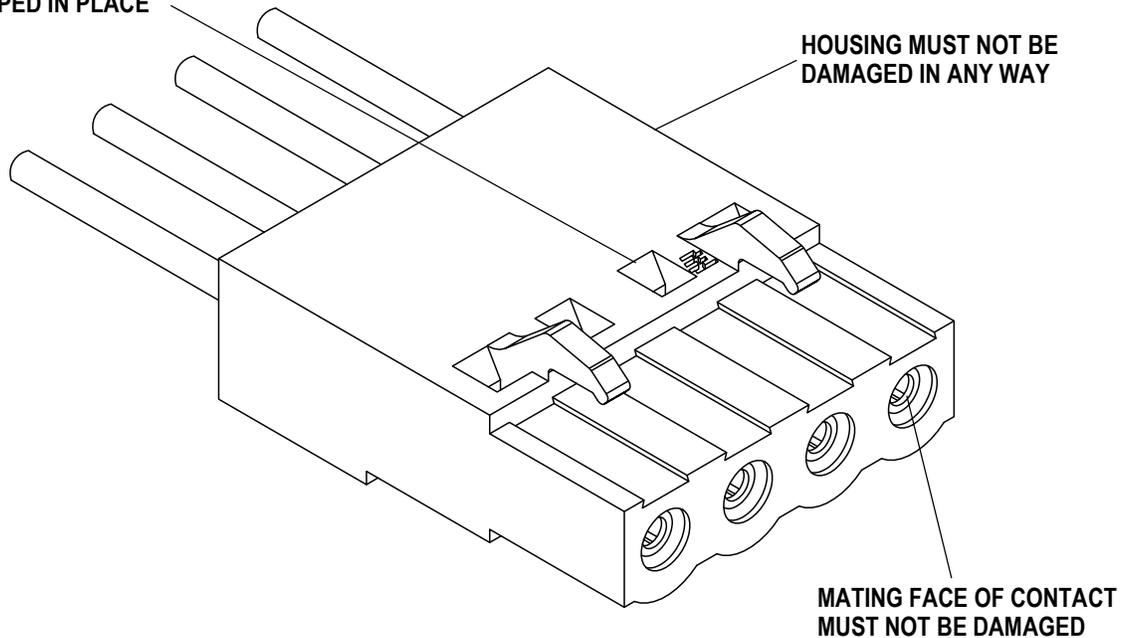


FIGURE 4. VISUAL AID