



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 [$\pm .005$] 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 the ELCON Mini two position Cable to Board connector system. The cable connector is designed to host two Standard Power Timer contacts.

When corresponding with 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 (with pull-tab) and Figure 2 (without pull-tab) .

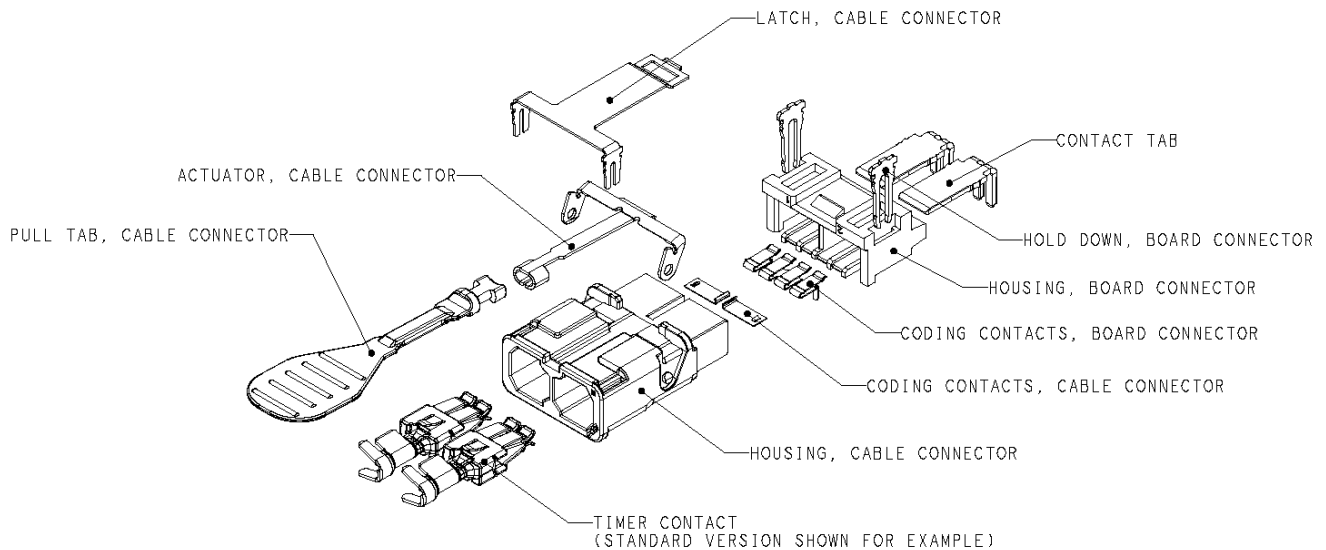


Figure 1 (with pull-tab)

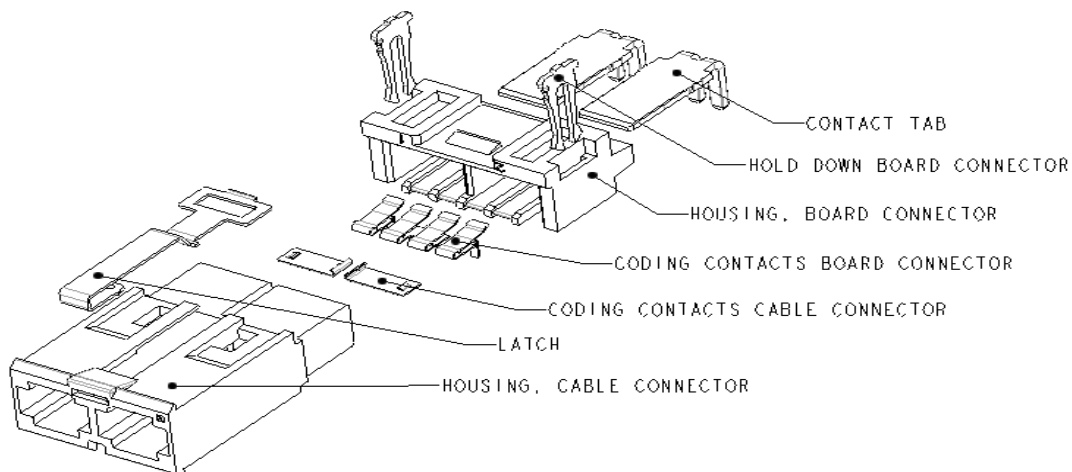


Figure 2 (without pull-tab)

2. REFERENCE MATERIAL

2.1. Revision Summary

Combine two types (with pull-tab and without pull-tab) into one application qualification document.

2.2. Customer Assistance

Reference product base Part numbers 1982295 for board mount connector, 1982299 for cable connector without pull-tab, 2246068 for cable connector with pull-tab, and Product Code J568 are representative of the ELCON Mini two position cable-to-board connector system. 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 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

For the product specification of the 2 pos. cable to board power connector system with coding contacts, see: Product Specification: 108-19346.

Timer contacts Specifications:
Product Specification: 108-18025
Application Specification: 114-18037

For configuration details see customer drawings:

C -1982295 board connector and C – 2246068 / C – 1982299 cable connector.

2.5. Assembly

The optional coding contacts on the board connector (see Figures 1 and 2) should only be actuated after placing and soldering the board connector to the PCB. The hold downs on the through-hole solder versions of the board connector (see Figures 1 and 2) have to be soldered to the PCB to achieve the max requested hold down forces of the board connector.

3. REQUIREMENTS

3.1. 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

4. QUALIFICATION

Connectors are recognized by Underwriters Laboratories Inc. (UL) in File E28476.

5. TOOLING

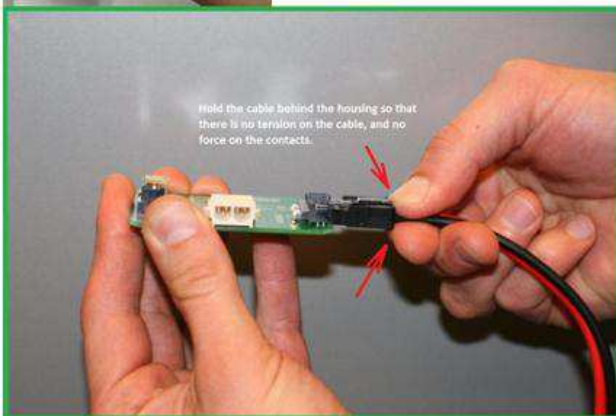
See application spec. 114-18037 Timer Contacts. For press-fit board connectors, use standard flat rock tooling. The force to seat the connector with hold-down clips onto pc board should 27N min. per pin.

6. MATING OF CABLE AND BOARD CONNECTOR:

Improper method of mating the cable and board connector will lead to stubbing of contacts. So the below shown method has to be followed to obtain the good mating of the connectors. The contacts inside the housing are floating; this means that the contacts have some space to move inside the housing. This is done so that the contacts can be aligned with the tabs of the mating part.



Correct mating procedure _ with pull-tab



Correct mating procedure _ without pull-tab