

RJ Point Five* Plug Kit



NOTE

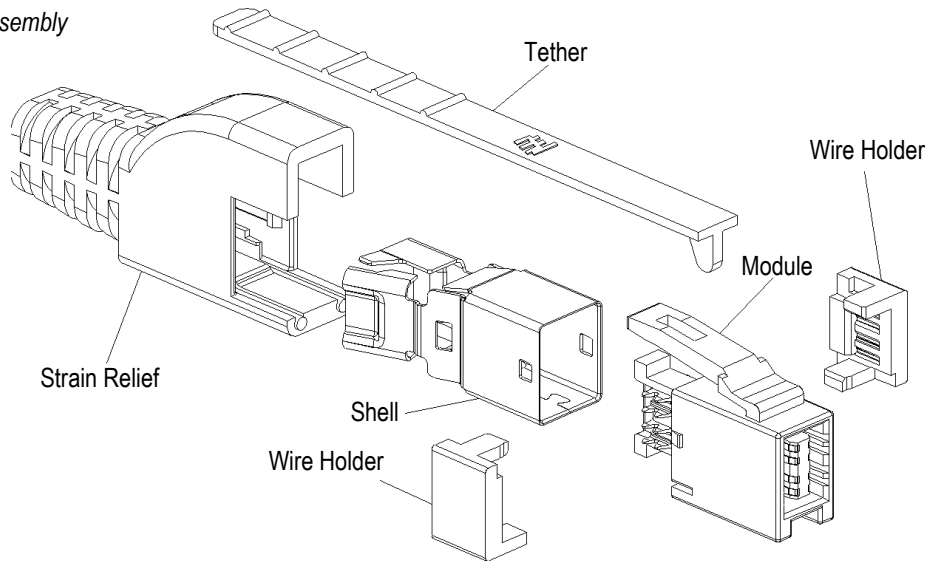
All numerical values are in metric units [with U.S. customary units in brackets]. Dimensions are in millimeters. Unless otherwise specified, dimensions have a tolerance of ± 0.13 and angles have a tolerance of $\pm 2^\circ$. Figures and illustrations are for identification only and are not drawn to scale.

1. INTRODUCTION

This specification covers the requirements for application of RJ Point Five Plug Kits. This product consists of a module, shell, strain relief and tether. The module will accept QUABBIN Cable 5400 or other CAT5e qualified cable meeting the mechanical requirements outlined in Paragraph 3.4 of this document.

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

Unshielded Plug Assembly



Shielded Plug Assembly

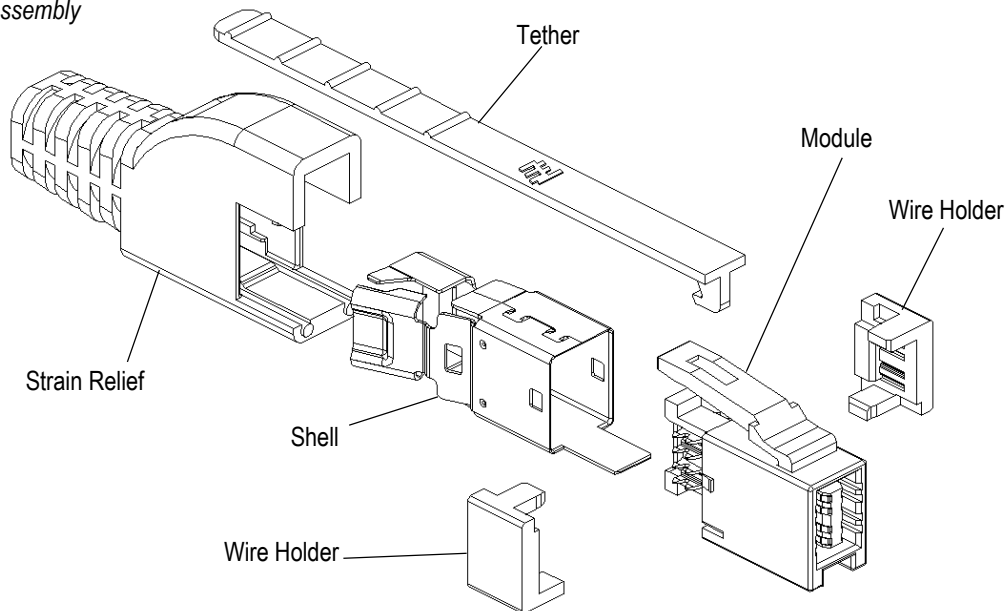


Figure 1

QUABBIN is a trademark.

2. REFERENCE MATERIAL

2.1. Revision Summary

- Updated document to corporate requirements
- Added shielded version to Figure 1
- Added new text 3.5.A (Shielded Plug Assembly)

2.2. Customer Assistance

Reference Product Base Part Number 2007312 and Product Code L362 are representative of the RJ Point Five Plug Kit. 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 at the number 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 by TE, the information contained in the customer drawings takes priority.

2.4. Specifications

Product Specification [108-2341](#) provides product performance and test information for the RJ Point Five Plug Kit.

2.5. Instructional Material

Instruction Sheet [408-10243](#) provides information for the SDE PEW-12 Hand Tool Assembly 2031734-1 for crimping the RJ Point Five Plug Kit.

3. REQUIREMENTS

3.1. Safety

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

3.2. Material

The module housing, strain relief lightpipe, and covers are made from clear polycarbonate; the contacts are copper alloy with gold over palladium-nickel on mating interface over nickel; the shell is made from stainless steel alloy with preplated nickel; the strain relief is made from elastomer polyolefin, and the tether is made from 6/6 nylon.

3.3. 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

3.4. Cable

The cable used with this product line is QUABBIN 5400 or other CAT5e qualified cable with center conductors of 24 AWG stranded wire, a primary insulation diameter of 0.89-0.99 mm, and a maximum cable jacket O.D. of 5.80 mm.

3.5. Assembly

The following steps provide assembly procedures for the RJ Point Five Plug Kit.

1. Insert tether into the slot on the strain relief as shown in Figure 2.

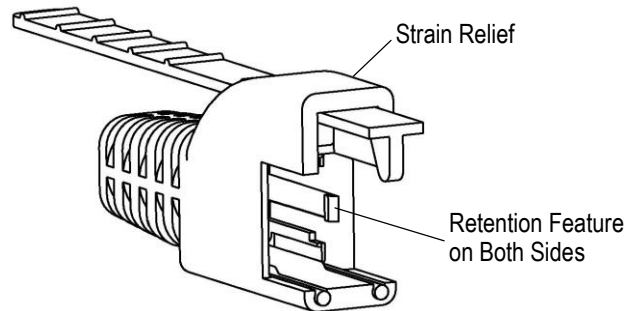
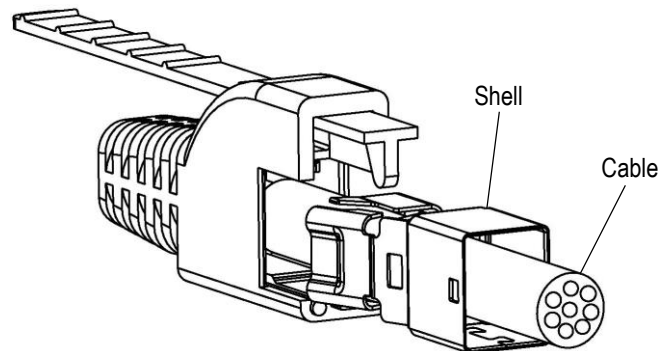


Figure 2

2. Slide the strain relief and shell onto the cable and away from the stripping area. See Figure 3.

Unshielded Plug Assembly



Shielded Plug Assembly

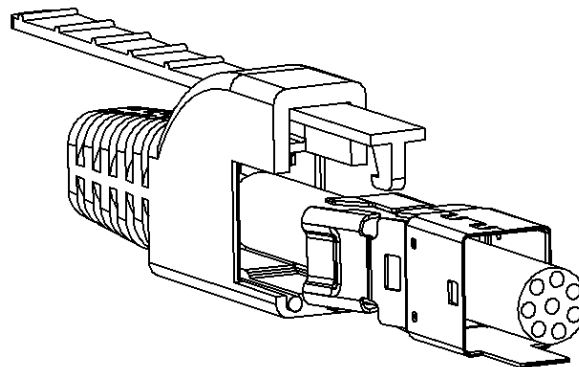
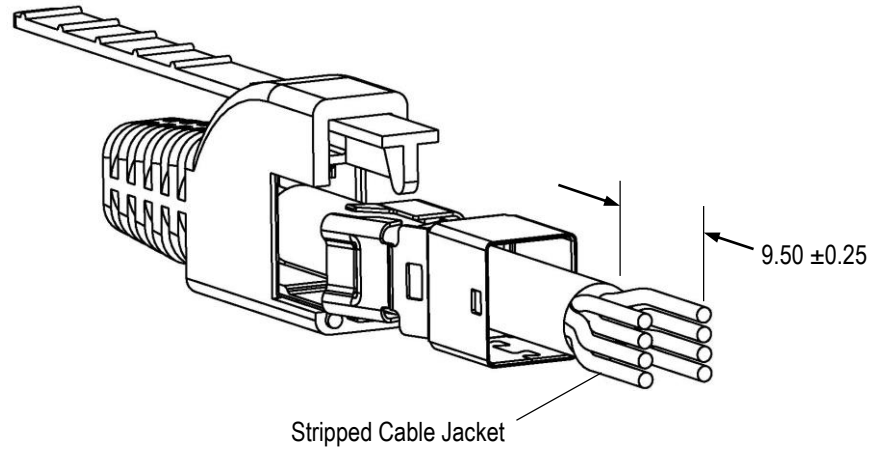


Figure 3

- Strip the cable jacket to the dimensions shown in Figure 4.

Unshielded Plug Assembly



Shielded Plug Assembly

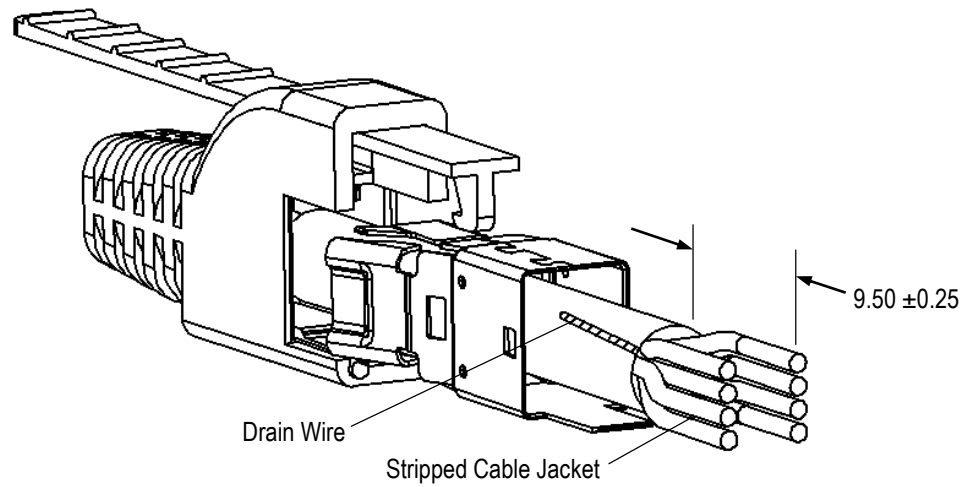


Figure 4

- Align the wires with the module as shown in Figure 5 and insert the discrete wires into the wire holders until bottomed. After wire insertion, the wire holders shall be sandwiched on the plug body as shown prior to crimping as shown in Figure 6.

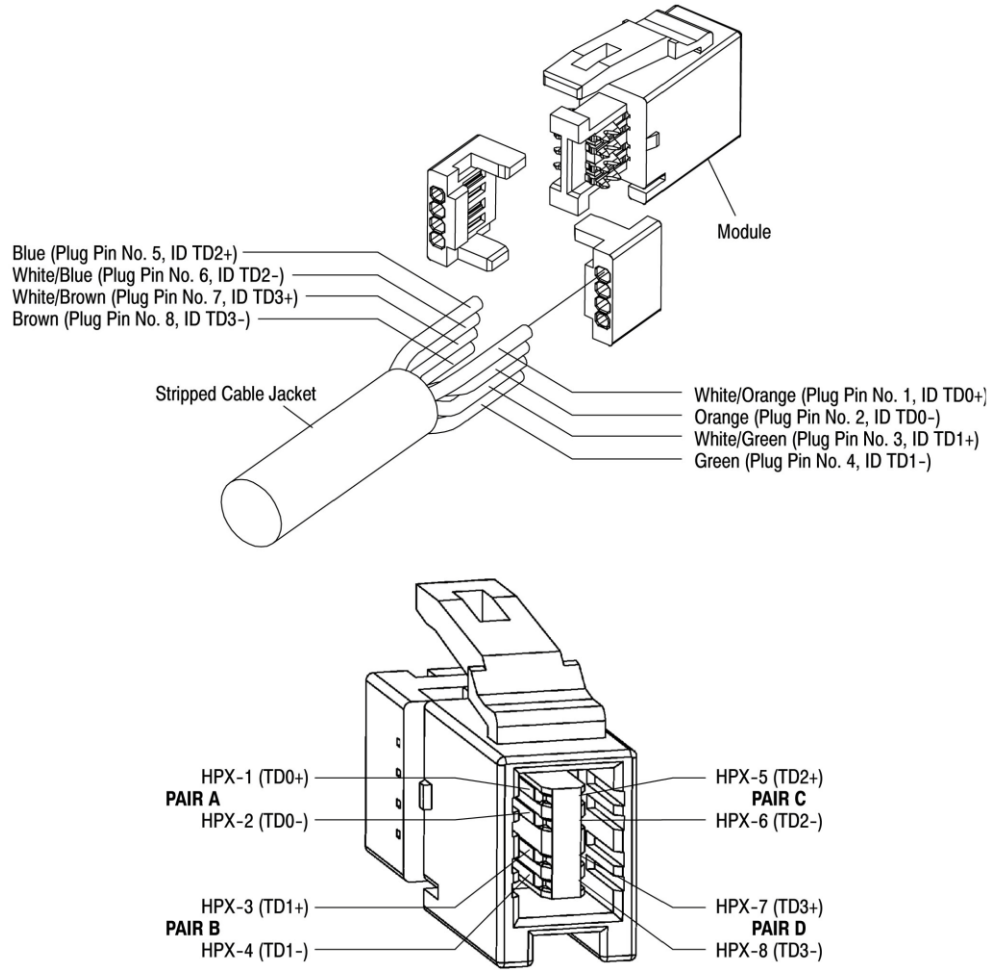


Figure 5

5. Insert assembly into lower jaw of SDE PEW-12 Hand Tool Assembly 2031734-1 and terminate according to the instructions provided in Instruction Sheet 408-10243.
6. After termination, slide the shell over the module assembly and bottom. In order to ensure that the shell is oriented properly for placement in the crimping tool, make sure the shell seam is opposite the plug latch prior to insertion of the plug body. See Figure 7.

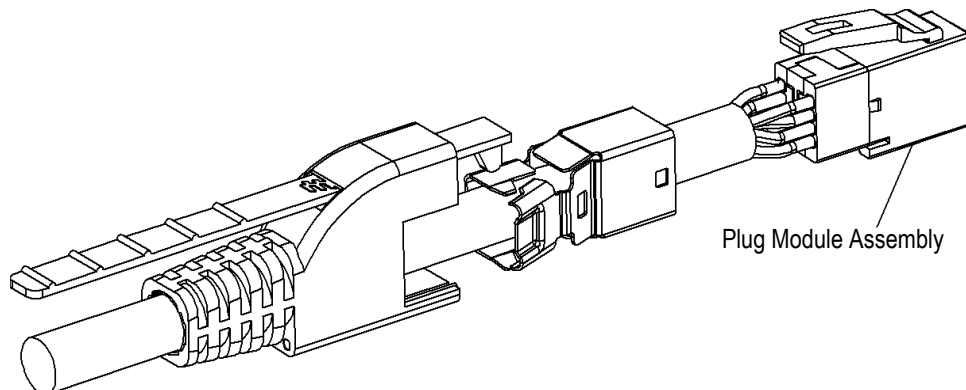


Figure 6

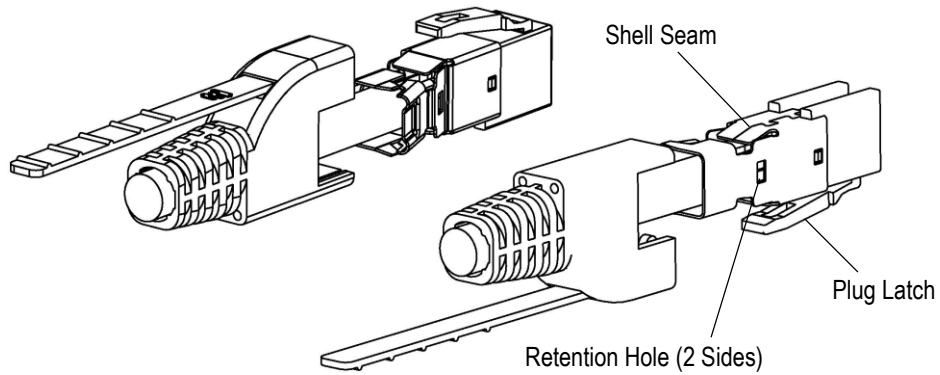


Figure 7

7. Terminate assembly in Hand Tool 2031734-1 per instructions provided in Instruction Sheet 408-10243.
8. Insert tether embossment into the module latch window as shown in Figure 8.

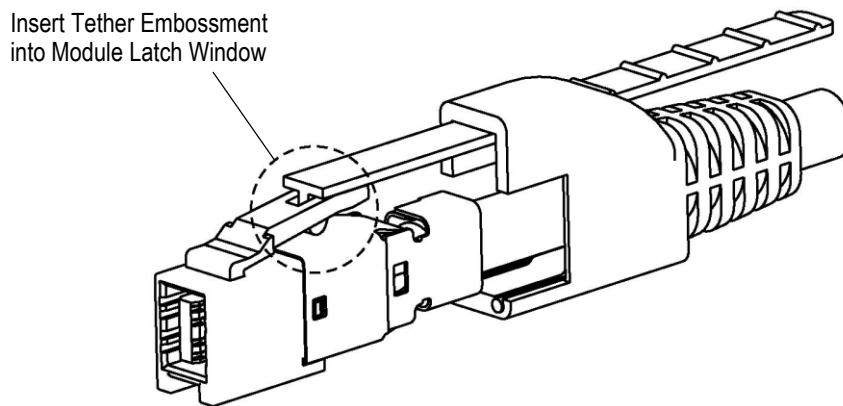


Figure 8

9. Slide strain relief over assembly until bottomed. Make sure the retention features of the strain relief are engaged into their respective holes by pressing on the side of the strain relief. See Figure 9.

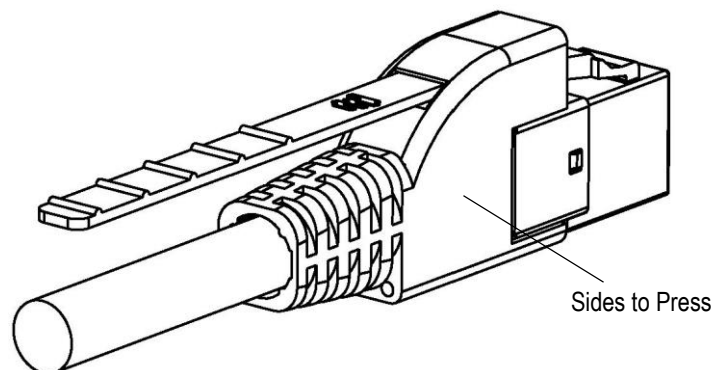


Figure 9

3.6. Repair/Replacement

**CAUTION**

Damaged product should not be used. If damaged wires are evident, they must be removed from the plug kit and replaced. If a damaged contact plug is evident, the plug must be replaced.

4. QUALIFICATION

RJ Point Five Plug Kits are not required to be agency evaluated and tested.

5. TOOLING

RJ Point Five Plug Kit is terminated by SDE PEW-12 Hand Tool Assembly 2031734-1. Refer to Instruction Sheet 408-10243 for termination procedures. See Figure 10.

SDE PEW-12 Hand Tool
Assembly 2031734-1

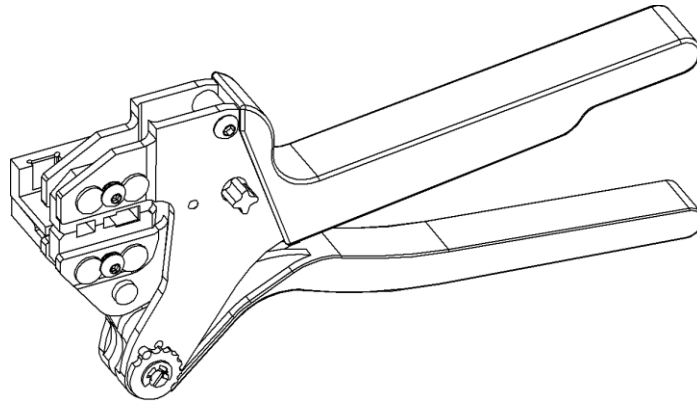
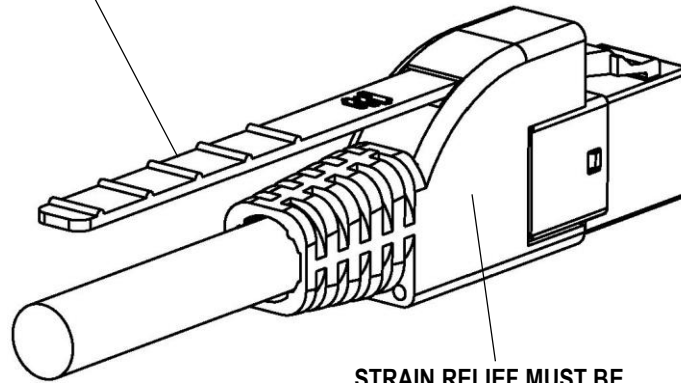


Figure 10

6. VISUAL AID

The illustration below shows a typical application of this product. 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.

**TETHER MUST BE HOOKED
IN PLACE WITH PLUG
MODULE LATCH WINDOW**



**SHELL MUST BE
BOTTOMED ON
MODULE ASSEMBLY**

**STRAIN RELIEF MUST BE
PROPERLY LOCATED**

FIGURE 11. VISUAL AID