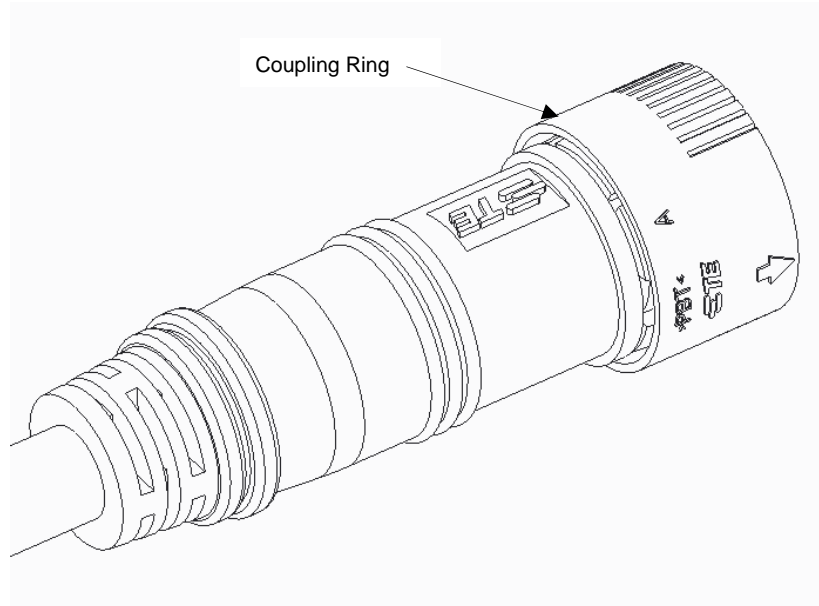
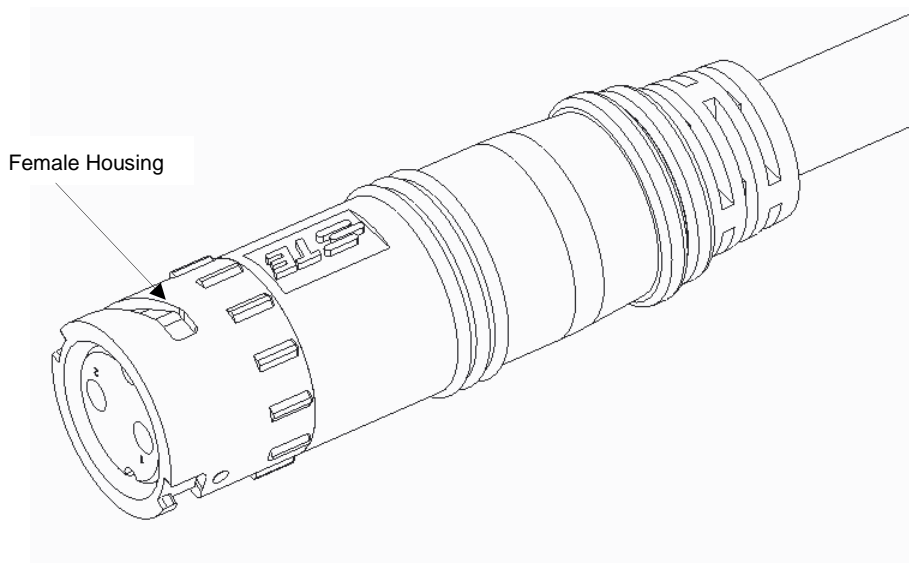


1. INTRODUCTION

This specification covers the requirements for application of Circular Plastic Connector (Plug & Receptacle) for use in lighting field. 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, Figure 2 and Figure 3.



Plug Connector



Receptacle Connector

Figure 1

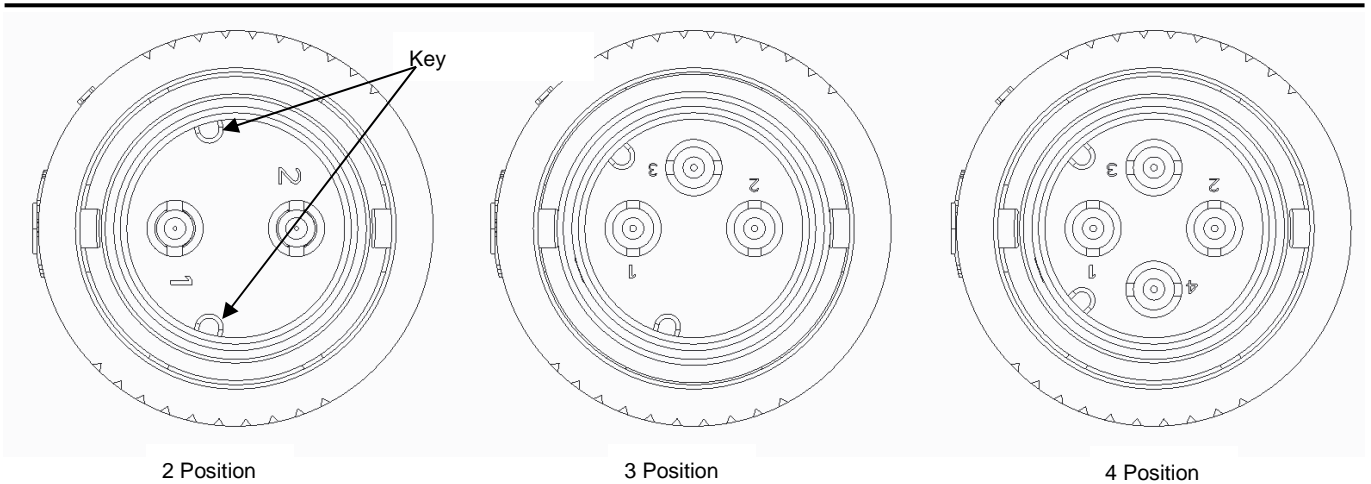


Figure 2 Plug Interface

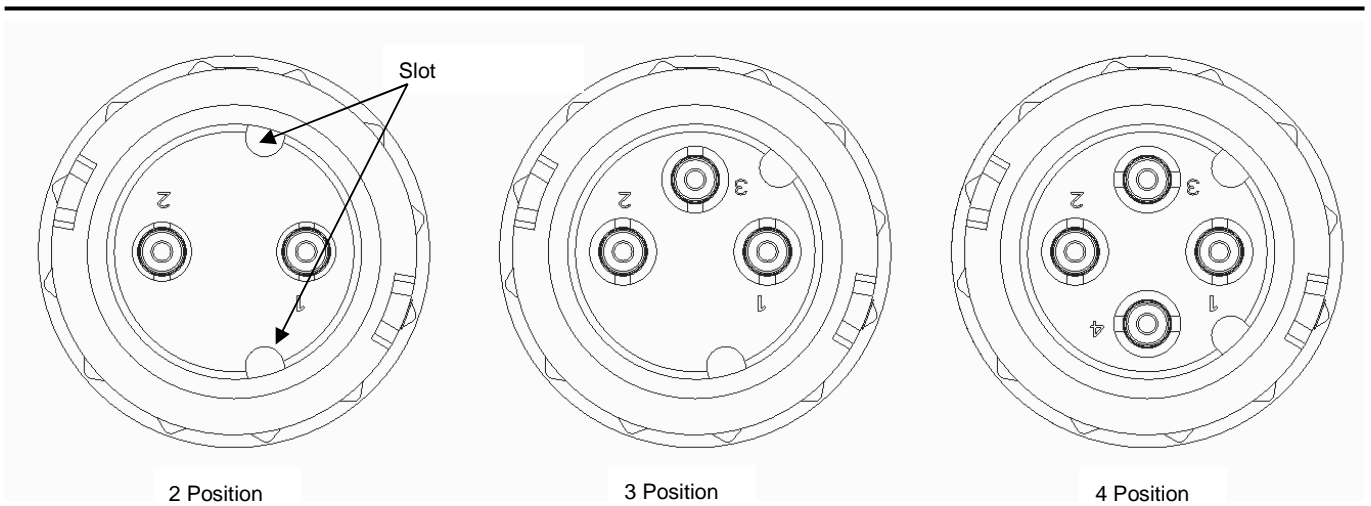


Figure 3 Receptacle Interface

2. REFERENCE MATERIAL

2.1. Revision Summary

Revision A – Initial.

2.2. Customer Assistance

Reference Product Base Numbers 2834000, 2834001, 2834002, 2834003, 2834004, 2834005 are representative of circular plastic connector covered by this document. Use of these numbers will identify the product line and expedite your inquiries through a service network established to help you obtain product information. Such information can be obtained through a local TE Connectivity Representative.

2.3. Drawings

Customer Drawings for specific products are available from the responsible TE Connectivity Engineering department via the service network. The information contained in the Customer Drawings takes priority if there is a conflict with this specification or with any other technical documentation supplied by TE Connectivity.

3. REQUIREMENTS

3.1. Safety:

DO NOT stack product shipping containers so high that the containers buckle or deform.

3.2. Limitations:

The connectors are designed to operate in a temperature range of -25°C to 85°C

3.3. Storage

A. Ultraviolet Light

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

B. Shelf Life

The contacts and connectors should remain in the shipping containers until ready for use to prevent deformation to components. The components 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 the contacts or connectors near any chemical listed below as they may cause stress corrosion cracking in the components.

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

3.4. Connector Mating



To reduce risk of electrical shock, **DISCONNECT** the electrical supply before mating the connectors.

Step 1. Align the polarized mating faces of the housings (Key feature aligns with slot feature), or partially mate the connectors and then rotate one connector that when they are correctly aligned, then the connectors will be mated a little deeply. **DO NOT** force to mate when feels it is very difficult to rotate the coupling ring.

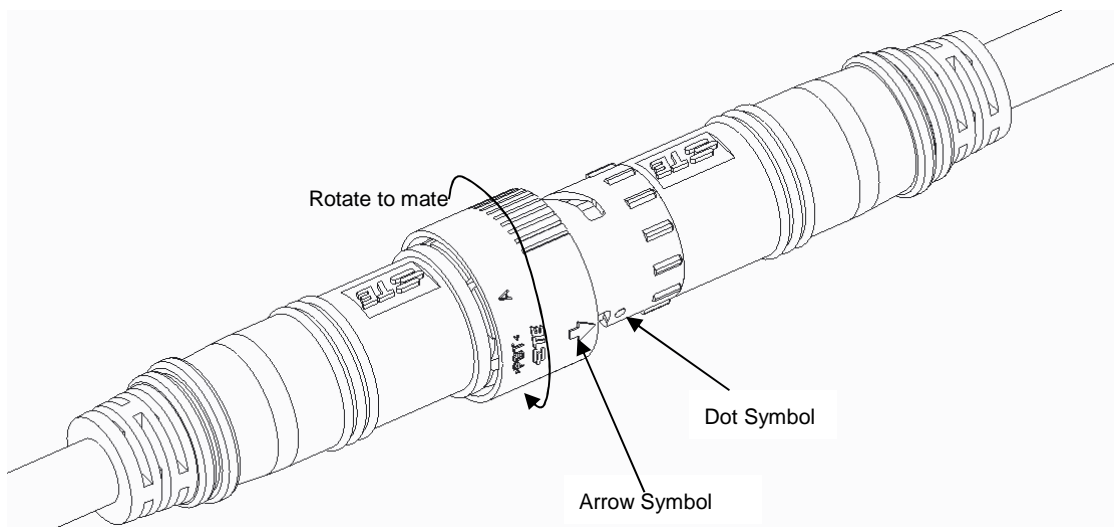


Figure 4. Rotate to mate

Step 2. Grasp the coupling ring and align the arrow symbol on coupling ring with dot symbol on receptacle housing. Then rotate the coupling ring to final mate the connector.

When the coupling ring is rotated in position, there would be a “click” feeling happens.

3.6. Connector Unmating



To reduce risk of electrical shock, **DISCONNECT** the electrical supply before unmating the connectors.

To unmate the connectors, grasp the coupling ring and rotate in an opposite direction compare to mating process.

3.7. Replacement/Repair

The connectors are not repairable. **DO NOT** use damaged or defective contacts or housings.

4. QUALIFICATION

Qualification under process by Underwriters Laboratories Inc.

5. VISUAL AID

The illustration below (Figure 6) shows a typical application of the connectors. 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.

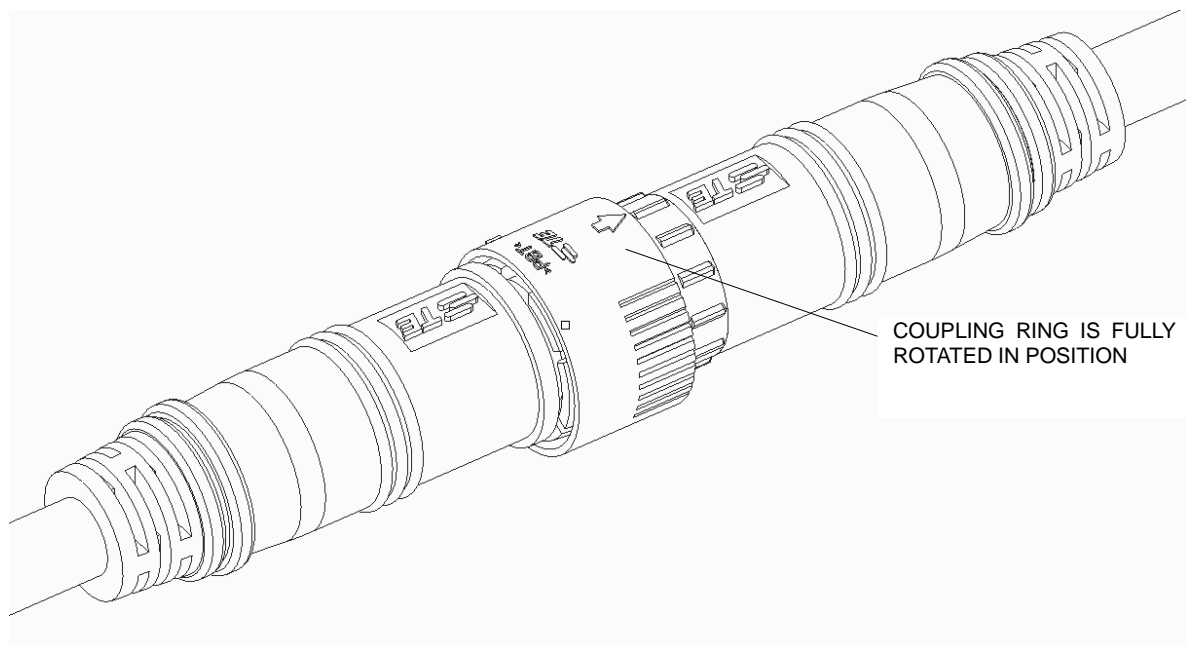


Figure 5. VISUAL AID