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 [±.005] and angles have a tolerance of ±2°. Figures and illustrations are for identification only and are not drawn to scale.

1. INTRODUCTION

This specification covers the requirements for application of POWER TAP SCREW ASSEMBLY.

These POWER TAP SCREW are designed to be mounted onto a printed circuit (pc) board to provide high electrical current, Mounted Through Hole on PCB through 6 Solder Tines. The POWER TAP can also be attached to Spade Tongue terminals of stud Size M5. This POWER TAP includes 2 component contact and screw, available in four types: screw drive PHILIPS #2 and T25 TORX with and without NYLOK material. The POWER TAP is available in loose-piece form, packaged in box with plastic bag.

Basic terms and features of this product are provided in Figure 1.

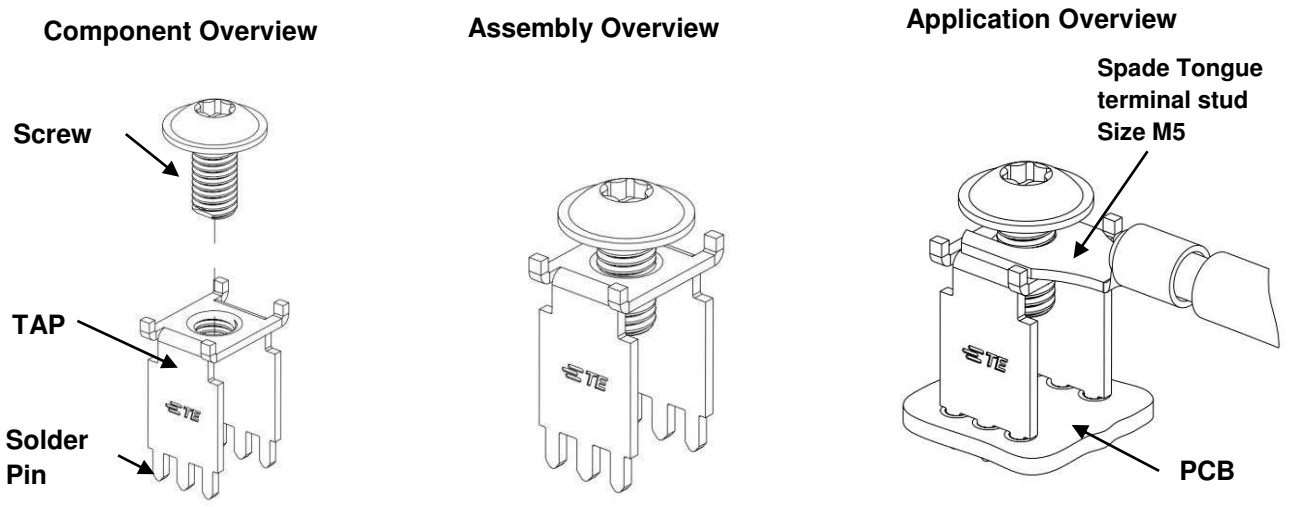


Figure 1

2. REFERENCE MATERIAL

2.1. Revision Summary

Initial release of application specification.

2.2. Customer Assistance

Reference Product Base Part Number 2446198 and Product Code L758 are representative of Special Appliance Connectors. Use of these numbers will identify the product line and help you to obtain product and tooling information when visiting www.te.com or calling the number at the bottom of page 1.

2.3. Drawings

Customer drawings for product part numbers are available from www.te.com. Information contained in the customer drawing takes priority.

2.4. Manuals

Manual 402-40 can be used as a guide to soldering. This manual provides information on various flux types and characteristics with the commercial designation, flux removal procedures, and a checklist for information on soldering problems.

2.5. Specifications

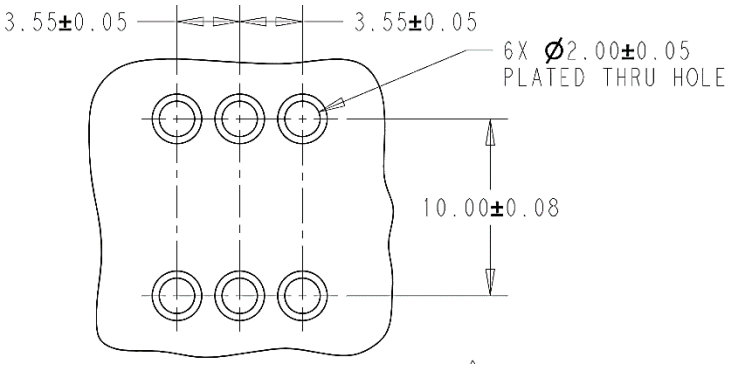
Product Specification 108-160952 provides product performance and test results.

2.6. Material

All contacts are made of brass. They are available without any plating or with tin plating. The recommended maximum temperature for all contacts is 110° C [230° F].

3. REQUIREMENTS

3.1. Recommended Board Layout



3.2. Safety

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

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

NOTE

Where the above environmental conditions exist, phosphor-bronze contacts are recommended instead of brass if available.

4. QUALIFICATION

This product will be qualified to Product Specification 108-160952.

5. OOLING

No tooling is available from TE Connectivity. No special tooling is required for manual placement of the terminals onto the pc board.

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.

Figure 2: Visual Aid