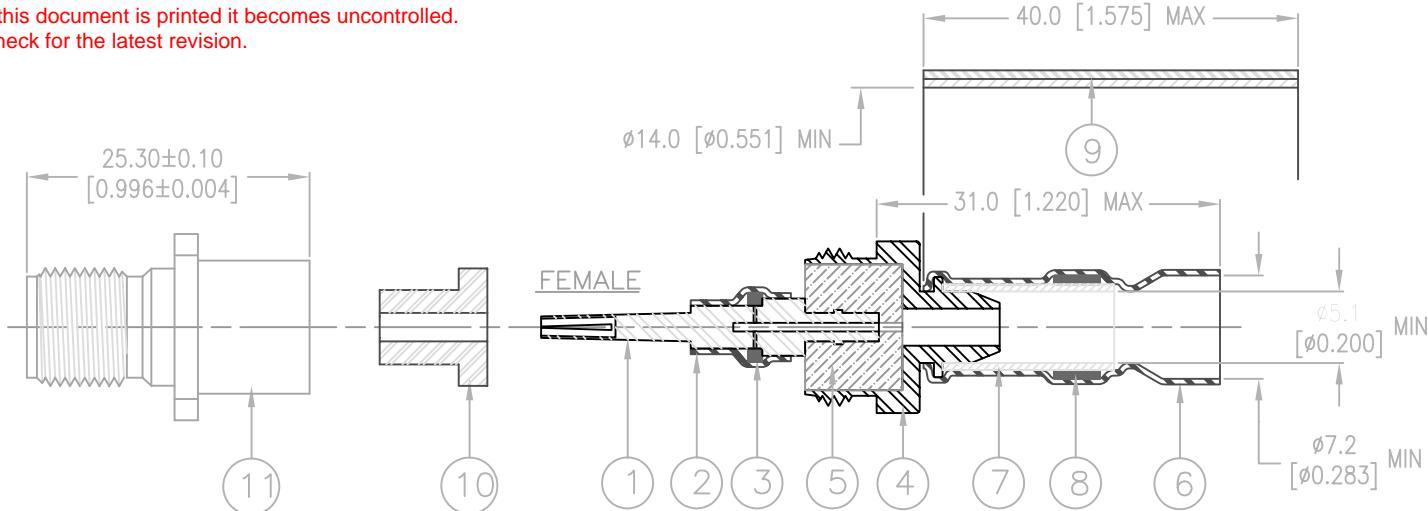


# SPECIFICATION CONTROL DRAWING

If this document is printed it becomes uncontrolled.

Check for the latest revision.



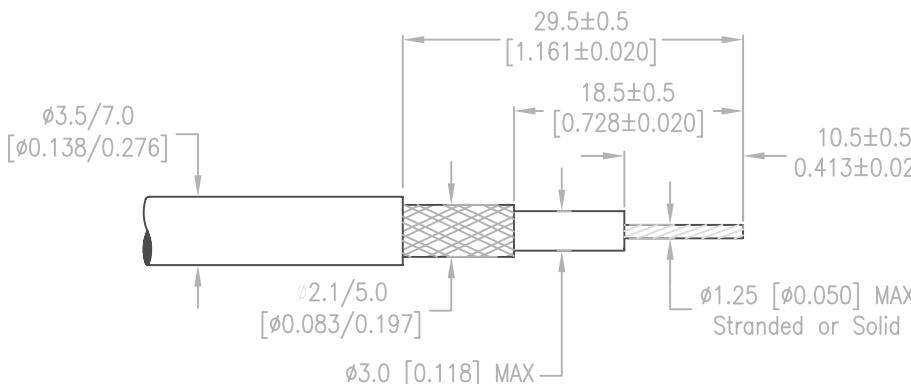
## MATERIALS:

1. Center Contact: Gold plated beryllium copper (female).
2. & 6. Heat Shrinkable Insulation Sleeve: Radiation cross-linked modified polyvinylidene fluoride. Transparent blue.
3. & 8. Solder Preform: Sn63Pb37 solder per ANSI/J-STD-006. ROL1 flux per ANSI/J-STD-004.
4. Threaded Transition Part: Silver plated brass.
5. Dielectric Insulator: PolyTetraFluoroEthylene
7. Shield: Solder impregnated, flux coated copper braid. Solder: Sn63Pb37 per ANSI/J-STD-006. Flux: ROM1 per ANSI/J-STD-004.
9. Heat Shrinkable Insulation Sleeve: Radiation cross-linked modified polyolefin with adhesive. Color: black, Marked: PTD-50-83-S
10. Dielectric Insulator: PolyTetraFluoroEthylene
11. Connector Body: Nickel plated brass.

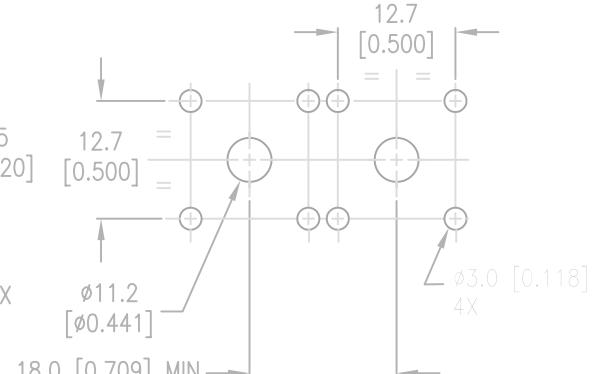
## APPLICATION:

1. This controlled soldering device is designed for terminating the center conductor & the braid of  $50\Omega$  single or double braided coaxial cables with the following: -Tin or silver plated conductor and braid. -An insulation rating of at least  $85^\circ\text{C}$ .
2. The assembly is intermateable with MIL-PRF-39012C TNC type connectors.
3. Temperature range: \*With black sleeve (9) :  $-55^\circ\text{C}$  to  $+100^\circ\text{C}$ . \*Without black sleeve (9) :  $-55^\circ\text{C}$  to  $+150^\circ\text{C}$ .
4. For installation procedure and application equipment consult RPIP-683-00-SAAB.
5. This device will meet Raychem specification RB-115 when assembled properly.

For best results, prepare the cable as shown:



Panel Thickness:



**tyco**  
**Electronics**

**Raychem** Products  
305 Constitution Drive, Menlo Park, CA. 94025 USA

TITLE:

PLUGPAK CONNECTOR  
 $50\Omega$  TNC

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS.  
INCHES DIMENSIONS ARE SHOWN IN BRACKETS.

TOLERANCES: 0.00  
ANGLES: 0.0  
ROUGHNESS: 0.0  
IN MICRON

TYCO ELECTRONICS RESERVES THE RIGHT TO AMEND THIS  
DRAWING AT ANY TIME. USERS SHOULD EVALUATE THE  
SUITABILITY OF THE PRODUCT FOR THEIR APPLICATION.

DOCUMENT NO:

**PTD-50-83-S**

CAD FILE:  
D020431

REPLACES:  
D000571

DRAWN:  
MFORONDA

SIZE:  
A

SCALE:  
NONE

PROD. REV.  
A

DOC. REV.:  
2

DATE:  
10/25/02

SHEET:  
1 OF 1

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