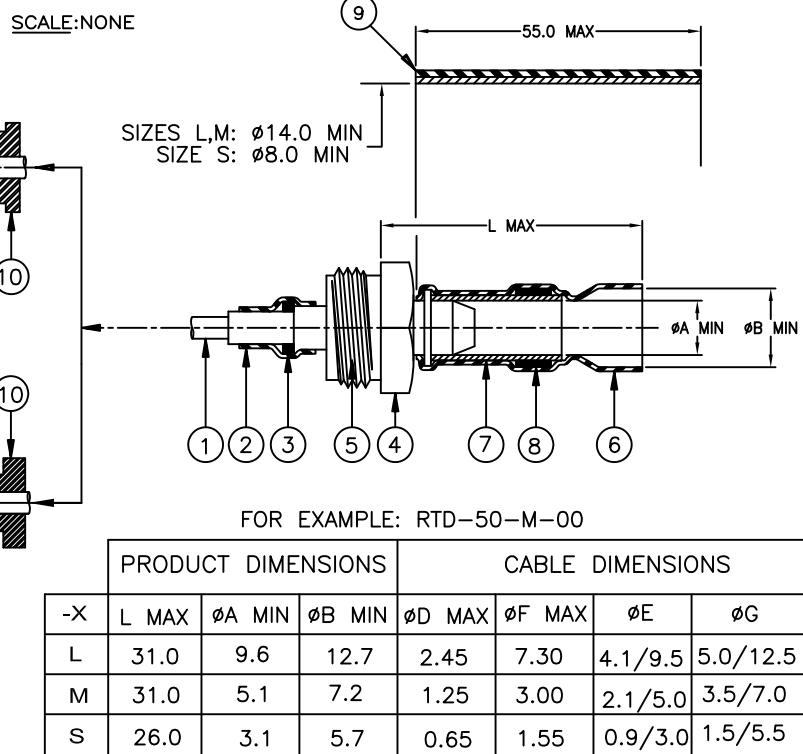


# CUSTOMER DRAWING

-XX	DESIGNATION	
00	STRAIGHT PLUG	
00-H		
01	ANGLE PLUG	
01-H		
02	STRAIGHT BULKHEAD JACK	
03	STRAIGHT JACK	
04	STRAIGHT PANEL JACK	
05	STRAIGHT PLUG	
05-H		

—H PARTS HAVE HEX NUT COUPLING WITH LOCK WIRE HOLES.



-X	PRODUCT DIMENSIONS			CABLE DIMENSIONS			
	L MAX	ØA MIN	ØB MIN	ØD MAX	ØF MAX	ØE	ØG
L	31.0	9.6	12.7	2.45	7.30	4.1/9.5	5.0/12.5
M	31.0	5.1	7.2	1.25	3.00	2.1/5.0	3.5/7.0
S	26.0	3.1	5.7	0.65	1.55	0.9/3.0	1.5/5.5

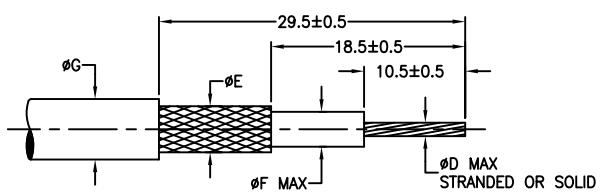
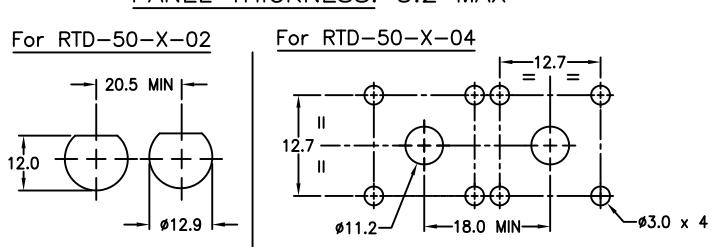
## MATERIAL:

1. CENTER CONTACT. GOLD PLATED BRASS (MALE) OR GOLD BERYLLIUM COPPER (FEMALE).
- 2,6. HEAT SHRINKABLE INSULATION SLEEVE, TRANSPARENT BLUE. RADIATION CROSS-LINKED MODIFIED POLYVINYLIDENE FLUORIDE.
3. SOLDER PREFORM. Sn63 Pb37 SOLDER ALLOY WITH MILDLY ACTIVATED ROSIN FLUX.
4. THREADED TRANSITION PART. SILVER PLATED BRASS.
5. INSULATOR. PTFE.
7. SOLDERSHIELD DEVICE. TIN PLATED COPPER BRAID WITH ACTIVATED ROSIN FLUX.
8. SOLDER PREFORM (ON L AND M SIZE ONLY). Sn63 Pb37 SOLDER ALLOY WITH MILDLY ACTIVATED ROSIN FLUX.
9. HEAT SHRINKABLE INSULATION SLEEVE, BLACK. RADIATION CROSS-LINKED MODIFIED POLYOLEFIN WITH ADHESIVE.
10. INSULATOR (EXCEPT FOR ANGLE PLUG), PTFE.
11. BODY, NICKEL PLATED BRASS.

## APPLICATION:

1. THESE CONTROLLED SOLDERING DEVICES ARE DESIGNED TO CONNECT, WITH A MIL-C-39012B TNC INTERMATEABLE PART, A  $50\Omega$  SINGLE OR DOUBLE BRAIDED COAXIAL HAVING A:
  - TIN OR SILVER PLATED COPPER OUTER CONDUCTOR.
  - TIN OR SILVER PLATED INNER CONDUCTOR.
  - AND INSULATION RATED FOR AT LEAST  $+85^\circ\text{C}$ .
2. TEMPERATURE RANGE:
  - \* WITH BLACK SLEEVE:  $-55^\circ\text{C}$  TO  $100^\circ\text{C}$ .
  - \* WITHOUT BLACK SLEEVE:  $-55^\circ\text{C}$  TO  $150^\circ\text{C}$ .
3. FOR INSTALLATION PROCEDURE AND APPLICATION EQUIPMENT, CONSULT RPPI-683-00.

FOR BEST RESULTS, PREPARE THE CABLE AS SHOWN:



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**TE Connectivity**

DIMENSIONING AND TOLERANCING  
PER ASME Y14.5-2009

TITLE: RF ONE STEP CONNECTOR  
50 OHM TNC

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES:  
0.00  
0.0  
0

ANGLES: —  
ROUGHNESS  
IN MICRON

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

DOCUMENT NO:

RTD-50-Y-XX /-XX-H

ECO NO:  
ECO-12-006021

DRAWN:  
DJAIN

SIZE:  
A

SCALE:  
—

CHECKED:  
DUSSING MATTHEW

DOC. REV:  
A

DATE:  
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SHEET:  
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