

5-1814800-3 Product Details

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5-1814800-3

TE Internal Number: 5-1814800-3
 Active

TNC RF Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Connector - RF
- Plug
- Applies To Coaxial Cable
- Crimp Type = Hex
- Coaxial Cable Termination Type = Crimp

[View all Features](#)

Quick Links

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Documentation & Additional Information

Product Drawings:

- [TNC STRAIGHT PLUG HEX CRIMP 50 OHM \(PDF, English\)](#)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files:

- None Available

Related Products:

- [Tooling](#)

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- [Product Type](#) = Connector - RF
- [Gender](#) = Plug
- Weatherproof = No
- Grade = Commercial
- Dielectric Material = Polymethylpentene

Mechanical Attachment:

- Panel Mount Retention = Without

Electrical Characteristics:

- [Connector Impedance \(Ω\)](#) = 50

Termination Features:

- [Crimp Type](#) = Hex
- [Coaxial Cable Termination Type](#) = Crimp

Body Features:

- [Body Style](#) = Straight
- [Body Plating](#) = Nickel
- Gasket Material = Silicone Rubber

Contact Features:

- Center Contact Plating = Gold
- Center Contact Material = Brass

Configuration Features:

- [Coaxial Cable Type \(RG/U or Mfg.\)](#) = 58C
- [Solder Terminal](#) = Without

Industry Standards:

- Government/Industry Qualification = No
- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant

Conditions for Usage:

- [Applies To](#) = Coaxial Cable

Packaging Features:

- Packaging Method = Individual

Other:

- Brand = TE Connectivity

Corporate Information

- [About TE](#)
- [Investors](#)
- [News Room](#)
- [Supplier Portal](#)
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Quick Links

- [Distributor Inventory](#)
- [Product Cross Reference](#)
- [Documents & Drawings](#)
- [Product Compliance Support Center](#)
- [Site Map](#)

Customer Support

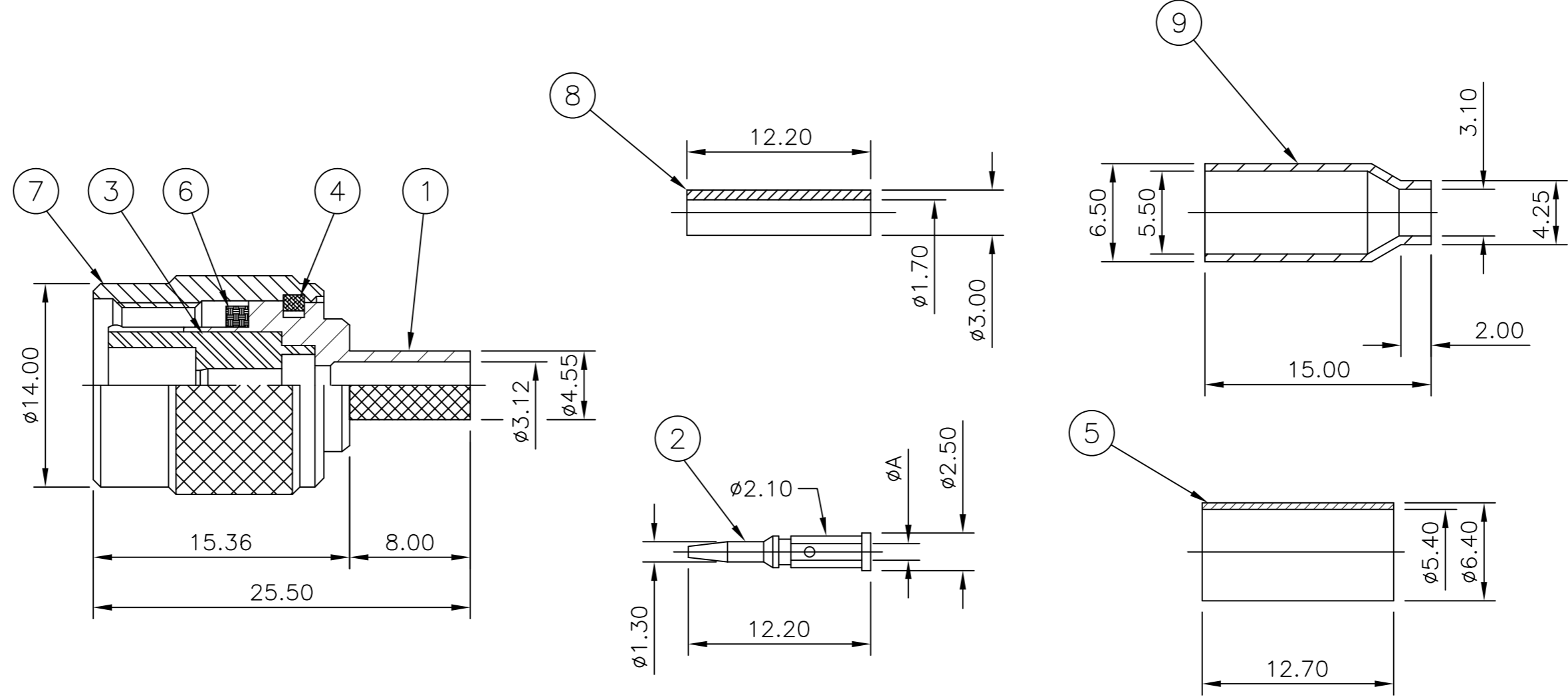
- [Email or Chat With Us](#)
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LOC	DIST	REVISIONS					
E	B	P	LTR	DESCRIPTION	DATE	DWN	APVD
		B		ECO-09-003420	11 Mar 09	RITA	BOB
		C		ECO-12-011817	03 Jul 12	TITAN	MARTIN

- NOTES**
- 1 SINGLE PACK IN ACCORDANCE WITH AMP SPEC 107-3275
 - 2 100 TRAY PACK IN ACCORDANCE WITH AMP SPEC 107-3275
 - 3 Au PLATING
 - 4 Ni PLATING
 - 5 THIS ITEM MUST BE WHITE
 - 6 HAND TOOL: 9-1478240-0
 - 7 DIE SET: SEE TABLE
 - 8 FOR TECHNICAL DATA REFER TO YOUR LOCAL TYCO ELECTRONICS SALES OFFICE
 - 9 ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED

				1.1	9-1478242-0	RG58C/U, 141A/U, 303/U, URM43, 76, BELDEN 9907, KX15			5-1814800-3
				1.1	9-1478242-0	RG58C/U, 141A/U, 303/U, URM43, 76, BELDEN 9907, KX15			5-1814800-2
				0.57	9-1478242-0	RG174A/U, 188A/U, 316/U, URM95, KX3B, KX22A			5-1814800-1
				0.57	9-1478242-0	RG174A/U, 188A/U, 316/U, URM95, KX3B, KX22A			5-1814800-0
				A	DIE SET	CABLE GROUPS			PART NO.
DIMENSIONS									



QTY	UNIT	DESCRIPTION	ITEM				
-	-	1 1 BRASS FERRULE	9				
-	-	1 1 NYLON PUSHER SLEEVE	8				
1	1	1 1 ZINC ALLOY COUPLING NUT	7				
1	1	1 1 SILICON RUBBER GASKET	6				
1	1	- - BRASS FERRULE	5				
1	1	1 1 BRASS CIRCLIP	4				
1	1	1 1 POLYMETHYLPENTENE INSULATOR	3				
1	1	1 1 BRASS CONTACT	2				
1	1	1 1 ZINC ALLOY BODY	1				
5	35	25	15	0	MATERIAL	DESCRIPTION	ITEM

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: RITA ZUO 11 Mar 09
 CHK: ANSON MA 11 Mar 09
 APVD: BOB ZHAO 11 Mar 09

TE Connectivity
 TNC STRAIGHT PLUG HEX CRIMP
 50 OHM

SIZE: A2 CAGE CODE: 00779 DRAWING NO: 1814800 RESTRICTED TO: -
 SCALE: NTS SHEET: 1 OF 2 REV: C

PRODUCT SPEC: 108-112000
 APPLICATION SPEC: SEE SHEET 2

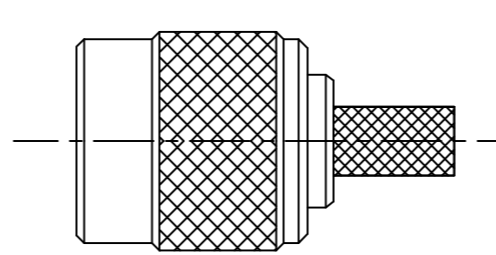
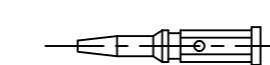
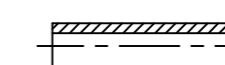
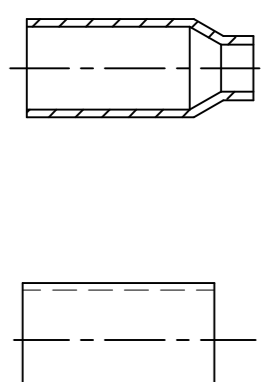
MATERIAL: SEE TABLE FINISH: SEE TABLE

CUSTOMER DRAWING

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LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
E	B	-	-	SEE SHEET 1	-	-	-

COMPONENTS

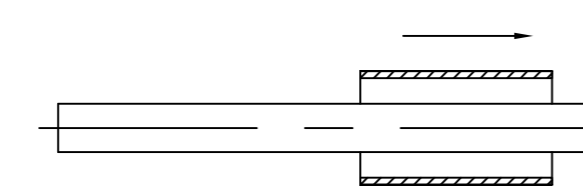
MAIN BODY (ITEM 1,3,4,6,7 & 8)	CENTRE CONTACT (ITEM 2)	PUSHER SLEEVE (ITEM 9)	CRIMP FERRULES (ITEM 5 & 10)
			

ASSEMBLY INSTRUCTION

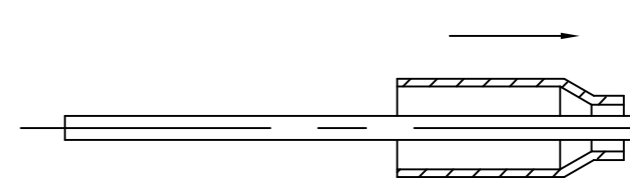
CABLES: RG58C/U, 141A/U, 303/U, URM43, 76, BELDEN 9907, KX15

CABLES: RG174A/U, 188A/U, 316/U, URM95, KX3B, KX22A

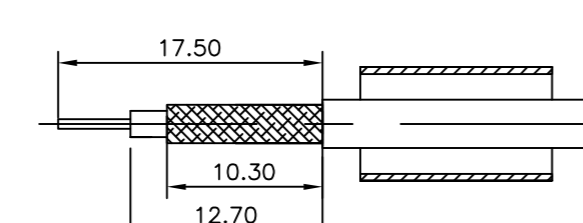
STEP 1
1. SLIDE METAL CRIMP FERRULE OVER CABLE



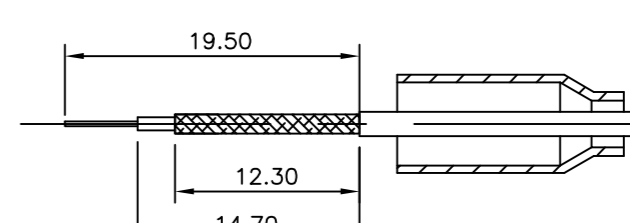
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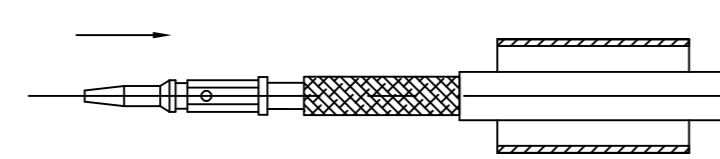
STEP 2
1. STRIP CABLE TO DIMENSIONS AS SHOWN



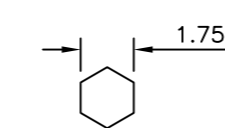
STEP 2
1. STRIP CABLE TO DIMENSIONS AS SHOWN



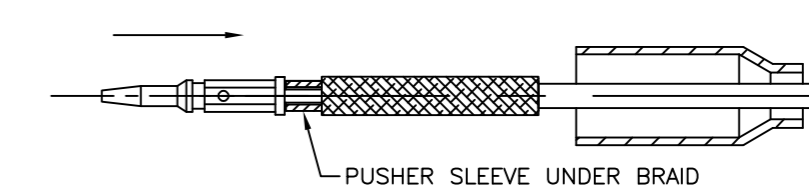
STEP 3
1. FIT CONTACT OVER CENTRE CONDUCTOR TO BUTT AGAINST DIELECTRIC.
2. CRIMP USING TOOL AS NOTES ON PAGE 1.



RECOMMENDED CENTRE CONTACT A/F HEX
1.75

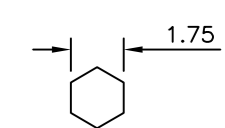


STEP 3
1. SLIDE ITEM 10 PUSHER SLEEVE OVER DIELECTRIC BEFORE FITTING THE CONTACT.
2. FIT CONTACT OVER CENTRE CONDUCTOR TO BUTT AGAINST DIELECTRIC.
3. CRIMP USING TOOL AS NOTES ON PAGE 1.

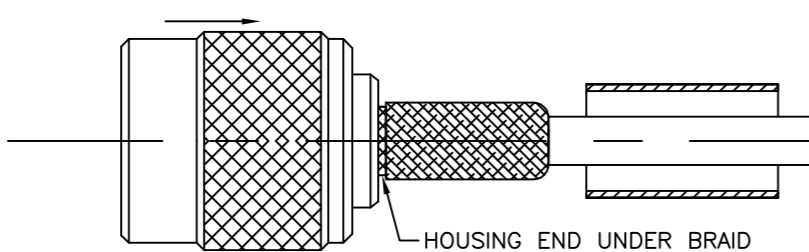


PUSHER SLEEVE UNDER BRAID

RECOMMENDED CENTRE CONTACT A/F HEX
1.75

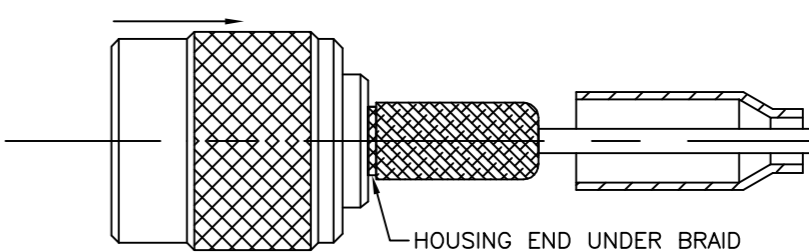


STEP 4
1. PRESS SUB-ASSEMBLY INTO BODY, UNTIL CONTACT IS FULLY LOCATED BY AN AUDIBLE CLICK.
2. ENSURE THAT KNURLED HOUSING INSERTS BETWEEN THE DIELECTRIC AND CABLE BRAID.



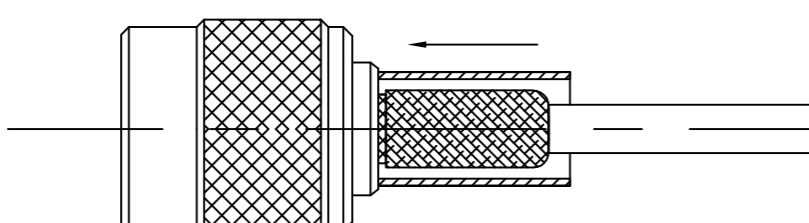
HOUSING END UNDER BRAID

STEP 4
1. PRESS SUB-ASSEMBLY INTO BODY, UNTIL CONTACT IS FULLY LOCATED BY AN AUDIBLE CLICK.
2. ENSURE THAT KNURLED HOUSING INSERTS BETWEEN THE PUSHER SLEEVE AND CABLE BRAID.

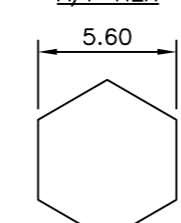


HOUSING END UNDER BRAID

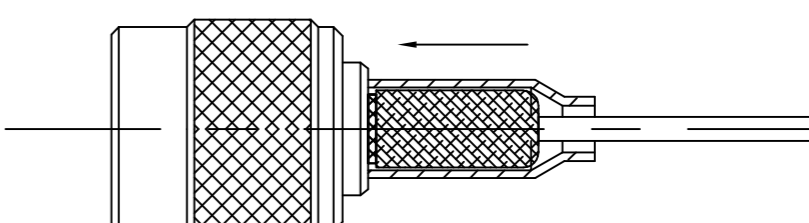
STEP 5
1. SLIDE CRIMP FERRULE ALONG THE CABLE UNTIL IT BUTTS AGAINST THE HOUSING BODY.
2. CRIMP USING TOOL AS NOTED ON PAGE 1.
3. CRIMP DIMENSION AS SHOWN.



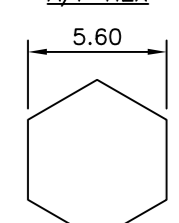
RECOMMENDED CRIMP SLEEVE A/F HEX
5.60



STEP 5
1. SLIDE CRIMP FERRULE ALONG THE CABLE UNTIL IT BUTTS AGAINST THE BODY HOUSING.
2. CRIMP USING TOOL AS NOTED ON PAGE 1.
3. CRIMP DIMENSION AS SHOWN.



RECOMMENDED CRIMP SLEEVE A/F HEX
5.60



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RITA ZUO 11 Mar 09	STE TE Connectivity	
DIMENSIONS: MM		CHK ANSON MA 11 Mar 09		
TOLERANCES UNLESS OTHERWISE SPECIFIED		APVD BOB ZHAO 11 Mar 09	NAME TNC STRAIGHT PLUG HEX CRIMP 50 OHM	
0 PLC ±		PRODUCT SPEC 108-112000	RESTRICTED TO	
1 PLC ±		APPLICATION SPEC SHEET 2	SIZE A2	CAGE CODE 00779
2 PLC ±		WEIGHT -	DRAWING NO C=1814800	
3 PLC ±		FINISH SEE TABLE	SCALE NTS	
4 PLC ±		MATERIAL SEE TABLE	SHEET 2 of 2	
ANGLES ±		CUSTOMER DRAWING	REV B	