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## 5413589-2 Product Details

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**5413589-2**

TE Internal Number: 5413589-2

Active

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### BNC RF Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

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

[View all Features](#)

### Quick Links

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### Documentation & Additional Information

#### Product Drawings:

- [PLUG, 75 OHM, HEX CRIMP, BNC \(PDF, English\)](#)

#### Catalog Pages/Data Sheets:

- [BNC Connectors \(PDF, English\)](#)

#### Product Specifications:

- None Available

#### Application Specifications:

- None Available

#### Instruction Sheets:

- [75-Ohm RF Series BNC Hex Crimp Plug Connectors 413589-\(\) \(PDF, English\)](#)

#### CAD Files: (CAD Format & Compression Information)

- [2D Drawing \(DXF, Version A\)](#)
- [3D Model \(IGES, Version A\)](#)
- [3D Model \(STEP, Version A\)](#)

[List all Documents](#)

#### Related Products:

- [Tooling](#)

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

#### Product Type Features:

- [Product Type](#) = Connector - RF
- [Gender](#) = Plug
- [Grade](#) = Commercial
- [Sealed](#) = No
- [Isolated](#) = No
- [Dielectric Material](#) = Polyethylene
- [Coupling Nut Material](#) = Brass
- [Solder Terminal](#) = Without

#### Mechanical Attachment:

- [Surface Mountable](#) = No
- [Hardware Included](#) = No
- [Panel Mount Retention](#) = Without

#### Electrical Characteristics:

- [Connector Impedance \(Ω\)](#) = 75

#### Termination Features:

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

#### Body Features:

- [Body Style](#) = Straight
- [Body Plating](#) = Nickel
- [Body Insulation](#) = Without
- [Polarized](#) = No

#### Contact Features:

- [Center Contact Material](#) = Beryllium Copper
- [Center Contact Plating](#) = Gold

#### Housing Features:

- [Connector Style](#) = Plug

#### Configuration Features:

- [Coaxial Cable Type \(RG/U or Mfg.\)](#) = 59, 59A, 59B
- [Number of Ports](#) = 1

#### 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

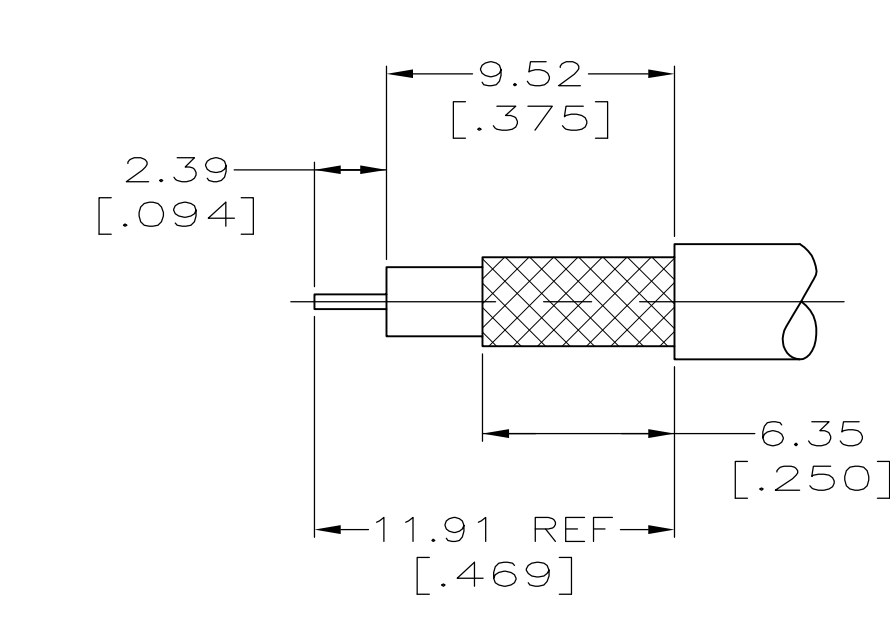
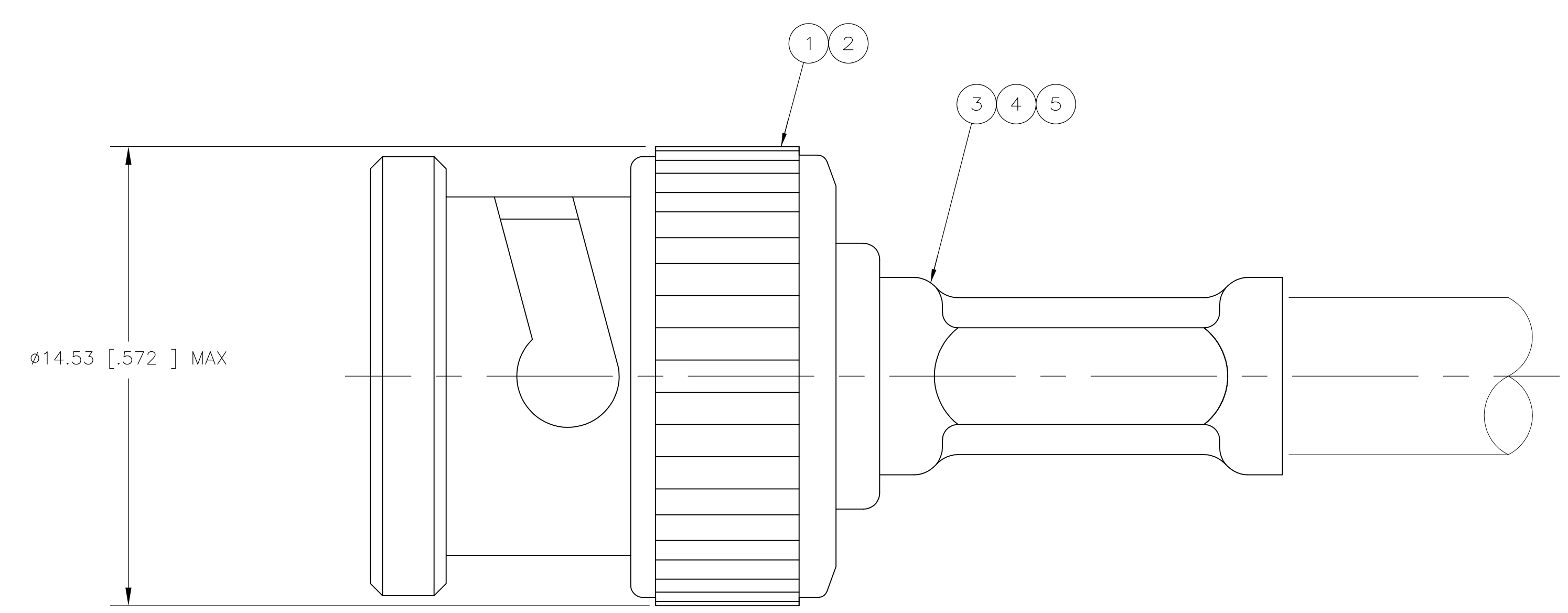
#### Conditions for Usage:

- [Applies To](#) = Coaxial Cable

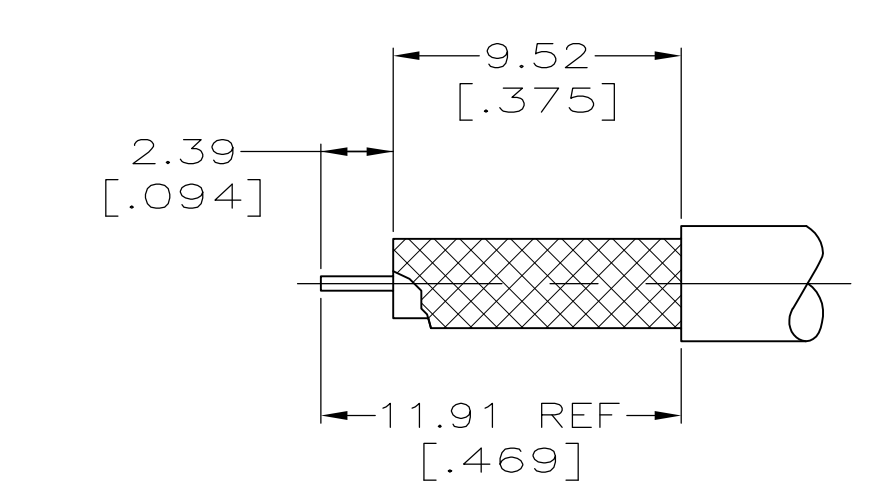
#### Other:

- [Brand](#) = AMP

- △ USE PRO-CRIMPER II: 354940-1
- 2. USE INSTRUCTION SHEET 408-9766
- △ SPECIAL PACKAGING: BULK PACKAGE 25 PIECES
- △ SPECIAL PACKAGING: BULK PACKAGE 100 PIECES



RECOMMENDED STRIP LENGTH  
SCALE 4:1



RECOMMENDED STRIP LENGTH  
SCALE 4:1  
(FOR 5413589-5 ONLY)

△	RAYDEX/CDT RA7000	1.07	[.042]	5.41	[.213]	58425-1	-	-	8-221132-9	413657-2	9-413653-2	2-5413589-5
△	3M TYPE 138	1.07	[.042]	4.52	[.178]	58425-2	227194-2	222001-4	9-413658-0	1-413657-5	9-413653-1	2-5413589-3
△	CUSTOM CABLE: C/C= $\phi 0.021$ , DIELECTRIC= $\phi 0.122$ , JACKET= $\phi 0.173$	1.07	[.042]	5.41	[.213]	58425-1	-	-	9-221132-0	1-413657-0	9-413653-2	2-5413589-1
△	BELDEN 8218 AND JIS 2.5C-2V	1.07	[.042]	4.52	[.178]	58425-2	-	-	9-221132-6	413657-4	9-413653-1	1-5413589-6
△	JIS 3C-2V	1.07	[.042]	5.41	[.213]	58425-1	-	-	9-221132-4	1-413657-0	9-413653-2	1-5413589-1
	AT&T 735A C/C= $\phi 0.016$ , DIELECTRIC= $\phi 0.077$ , JACKET= $\phi 0.130$	1.07	[.042]	4.52	[.178]	58425-2	-	-	9-413658-2	413657-4	9-413653-1	1-5413589-0
	RG-59 TYPE WITH .031 DIA CENTER CONTACT, BELDEN 9266, 9240 & 9259	1.07	[.042]	6.47	[.255]	58425-1	-	-	9-221132-1	413657-8	9-413653-0	5413589-9
	RG-179/U, 179A/U, 179B/U, 187/U & 187A/U	1.07	[.042]	4.52	[.178]	58425-2	227194-2	222001-4	9-413658-0	413657-6	9-413653-1	5413589-8
	AT&T 734A	1.07	[.042]	6.47	[.255]	58425-1	-	-	9-221132-3	413657-8	9-413653-4	5413589-7
	TIMES RG-59/U, DOUBLE BRAID, .270 OD JACKET	1.07	[.042]	8.23	[.324]	58425-3	-	-	9-221132-2	413657-2	9-413653-0	5413589-6
	BELDEN 8281, 9231 & AT&T 728 AND JIS 5C-2V	1.07	[.042]	8.23	[.324]	58425-3	-	-	9-221132-2	413657-8	9-413653-3	5413589-5
	BELDEN 8218 AND JIS 2.5C-2V	1.07	[.042]	4.52	[.178]	58425-2	-	-	9-221132-6	413657-4	9-413653-1	5413589-3
	RG-59/U, 59A/U & 59B/U	1.07	[.042]	6.48	[.255]	58425-1	-	-	9-221132-1	413657-2	9-413653-0	5413589-2
	BELDEN 88241	1.07	[.042]	6.48	[.255]	58425-1	-	-	9-413658-3	413657-2	9-413653-0	5413589-1
	FOR USE WITH CABLE			CONTACT CRIMP (SQUARE)	FERRULE CRIMP (HEX)	DIE SET △	⑤ TUBING, PLASTIC QTY=1	④ TUBING QTY=1	③ FERRULE QTY=1	② CONTACT QTY=1	① PLUG ASSY QTY=1	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm (INCHES)

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±	-
1 PLC	±	-
2 PLC	±	0.41 [016]
3 PLC	±	-
4 PLC	±	-
ANGLES	±	-

MATERIAL: - FINISH: -

APPROVED: J. LIPPERT

DATE: 22APR2005

NAME: J. HAVENER

DATE: 22APR2005

PRODUCT SPEC: - APPLICATION SPEC: -

SIZE: A1

CAGE CODE: 00779

DRAWING NO: 5413589

RESTRICTED TO: -

WEIGHT: -

CUSTOMER DRAWING: -

SCALE: 8:1

SHEET: 1 OF 1

REV: B1

STE TE Connectivity

PLUG, 75 OHM, HEX CRIMP, BNC