5-1634502-3 Product Details

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5-1634502-3

TE Internal Number: 5-1634502-3

Active

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

- Pricing & Availability
- Search for Tooling
- Product Feature Selector
- Contact Us About This Product

Add to My Part List | Request Sample | Find Similar Products | Buy Product

Documentation & Additional Information

Product Drawings:
- BNC STRAIGHT PLUG HEX CRIMP 75 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

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 = Polymethylpentene
- Coupling Nut Material = Zinc

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 Material = Zinc
- Body Plating = Nickel
- Polarized = No

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

Housing Features:
- Connector Style = Plug

Configuration Features:
- Coaxial Cable Type (RG/U or Mfg.) = 140, 210, 59B, 62A, KX 25, KX 52, KX 53, KX 6A, URM 90
- 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
- For Use With = ZDC/BNC Connector

Packaging Features:
- Packaging Method = Individual
- Packaging Quantity = 1

Other:
- Brand = TE Connectivity

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LOC	DIST
E	B

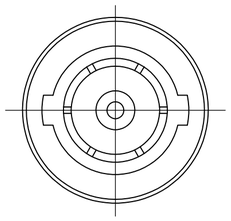
REVISIONS

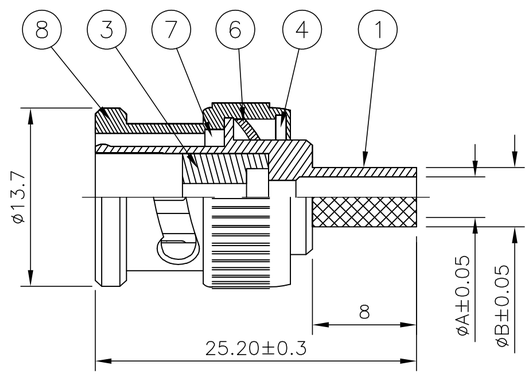
P	LTR	DESCRIPTION	DATE	DWN	APVD
	D1	REVISED PER ECO-11-005033	01APR11	RK	HMR
	E	REVISED PER ECO-12-002190	03FEB12	TITAN	MARTIN

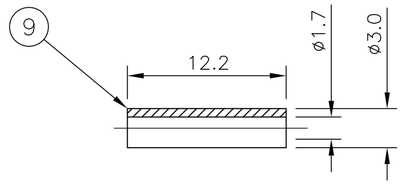
NOTES

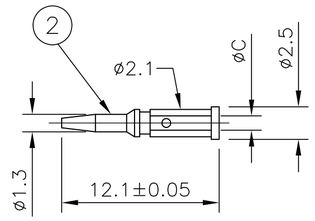
1. SINGLE PACK IN ACCORDANCE WITH AMP SPEC 107-3275
2. 100 TRAY PACK IN ACCORDANCE WITH AMP SPEC 107-3275
3. Au PLATING OVER Ni PLATING OVER Cu PLATING
4. Ni PLATING OVER Cu PLATING
5. HAND TOOL: 9-1478240-0
6. DIE SET: SEE TABLE
7. FOR TECHNICAL DATA REFER TO YOUR LOCAL TE CONNECTIVITY SALES OFFICE
8. ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED

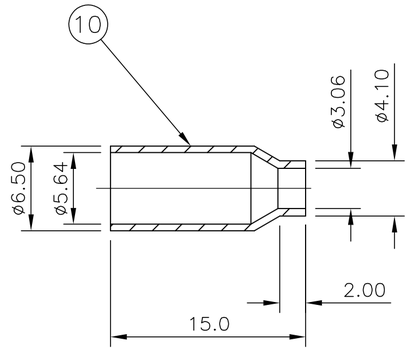
DIMENSIONS								
E	D	C	B	A	DIE SET	CABLE GROUPS	PART NO.	
~~–~~	~~–~~	~~0.4~~	~~4.5~~	~~3.1~~	~~9-1478242-0~~	~~RG179B/U, 187A/U, URM111~~	~~5-1634502-5~~	
~~–~~	~~–~~	~~0.4~~	~~4.5~~	~~3.1~~	~~9-1478242-0~~	~~RG179B/U, 187A/U, URM111~~	~~5-1634502-4~~	
7.5	6.6	0.7	5.45	3.8	9-1478242-0	RG59B/U, 62A/U, 140/U, 210/U, URM90, KX 6A, KX 25, KX 52, KX 53	5-1634502-3	
7.5	6.6	0.7	5.45	3.8	9-1478242-0	RG59B/U, 62A/U, 140/U, 210/U, URM90, KX 6A, KX 25, KX 52, KX 53	5-1634502-2	
6.4	5.4	0.7	4.5	3.1	9-1478242-0	E4205, NEK23795, SDTV-A-LFH, 36-516/519, IMAGE360, RA7000	5-1634502-1	
~~6.4~~	~~5.4~~	~~0.7~~	~~4.5~~	~~3.1~~	~~9-1478242-0~~	~~E4205, NEK23795, SDTV-A-LFH, 36-516/519, IMAGE360, RA7000~~	~~5-1634502-0~~	

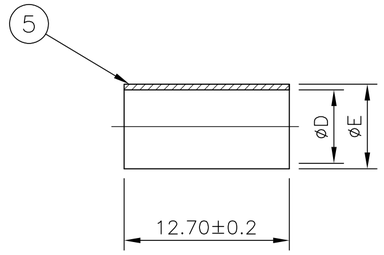












QUANTITY PER ASSY							PARTS LIST	
5	5	4	3	2	1	0	MATERIAL	DESCRIPTION	ITEM
2	1	1	2	1	2				
1	1	–	–	–	–		BRASS [4]	CRIMP SLEEVE	10
1	1	–	–	–	–		NYLON	PUSHER SLEEVE	9
1	1	1	1	1	1		ZINC ALLOY [4]	BARREL	8
1	1	1	1	1	1		SILCON RUBBER	GASKET	7
1	1	1	1	1	1		SPRING STEEL	SPRING	6
1	1	1	1	1	1		BRASS [4]	CRIMP SLEEVE	5
1	1	1	1	1	1		IRON [4]	WASHER	4
1	1	1	1	1	1		POLYMETHYLPENTENE	INSULATOR	3
1	1	1	1	1	1		BRASS [3]	CONTACT	2
1	1	1	1	1	1		ZINC ALLOY [4]	BODY	1

OBSOLETE OBSOLETE OBSOLETE

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DIMENSIONS: MM

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± 0.5
1 PLC	± 0.3
2 PLC	± 0.2
3 PLC	± –
4 PLC	± –
ANGLES	± 5°

MATERIAL: SEE TABLE

FINISH: SEE TABLE

DWN	19 Feb 09 RITA ZUO
CHK	19 Feb 09 ANSON MA
APVD	19 Feb 09 BOB ZHAO
PRODUCT SPEC	108-112000
APPLICATION SPEC	SEE SHEET 2
WEIGHT	–

TE Connectivity

NAME: BNC STRAIGHT PLUG HEX CRIMP 75 OHM –

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1634502	–

CUSTOMER DRAWING | SCALE NTS | SHEET 1 OF 2 | REV E

1634502

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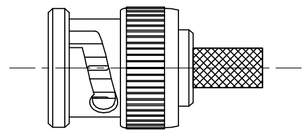
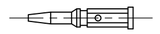
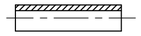
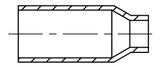
LOC	DIST
E	B

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–

COMPONENTS

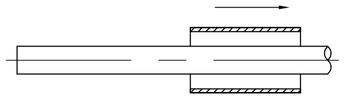
			MAIN BODY (ITEM 1,3,4,6,7 & 8)	CENTRE CONTACT (ITEM 2)	PUSHER SLEEVE (ITEM 9)	CRIMP FERRULES (ITEM 5 & 10)
						

ASSEMBLY INSTRUCTION

CABLES: RG59B/U, 62A/U, 140/U, 210/U, URM90, KX 6A, KX 25, KX 52, KX 53, RG58C/U, 141A/U, URM43, 76, BELDEN 9907, KX 15

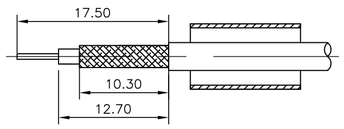
STEP 1

1. SLIDE METAL CRIMP FERRULE OVER CABLE



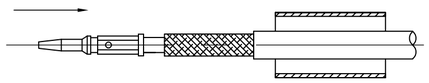
STEP 2

1. STRIP CABLE TO DIMENSIONS AS SHOWN

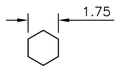


STEP 3

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

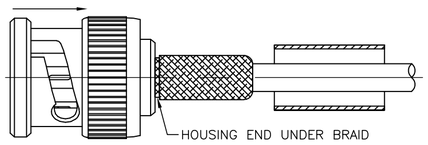


RECOMMENDED CENTRE CONTACT A/F HEX



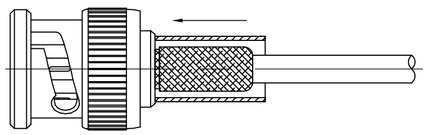
STEP 4

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.

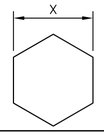


STEP 5

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 X IS:–
   RG59B (SEE PAGE 1 FOR FULL CABLE LIST) = 6.50
   RG58C/U (SEE PAGE 1 FOR FULL CABLE LIST) = 5.60



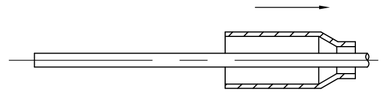
RECOMMENDED CRIMP SLEEVE A/F HEX



CABLES: RG179B/U, 187A/U, URM111

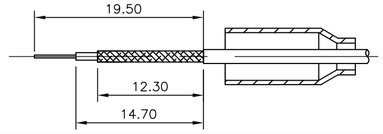
STEP 1

1. SLIDE METAL CRIMP FERRULE OVER CABLE



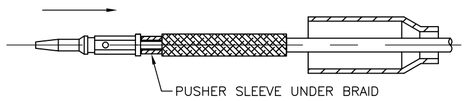
STEP 2

1. STRIP CABLE TO DIMENSIONS AS SHOWN

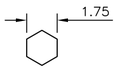


STEP 3

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.

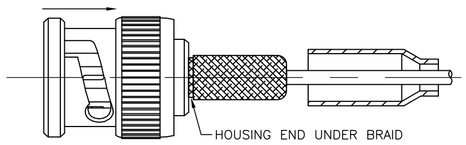


RECOMMENDED CENTRE CONTACT A/F HEX



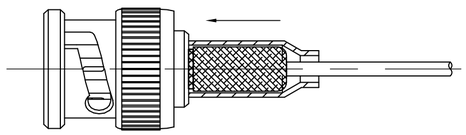
STEP 4

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.

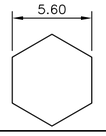


STEP 5

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



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: MM

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL: SEE TABLE

FINISH: SEE TABLE

DWN	RITA ZUO	19 Feb 09
CHK	ANSON MA	19 Feb 09
APVD	BOB ZHAO	19 Feb 09
PRODUCT SPEC	108–112000	
APPLICATION SPEC	SHEET 2	
WEIGHT	–	

TE Connectivity

NAME: BNC STRAIGHT PLUG HEX CRIMP 75 OHM –

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1634502	–

CUSTOMER DRAWING | SCALE NTS | SHEET 2 OF 2 | REV D1

1634502