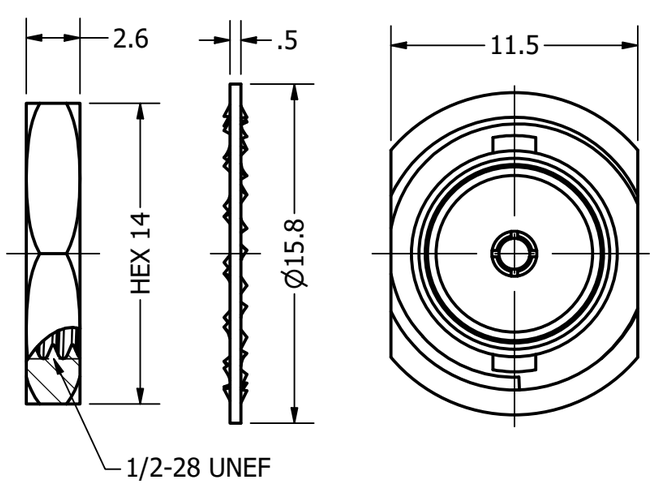
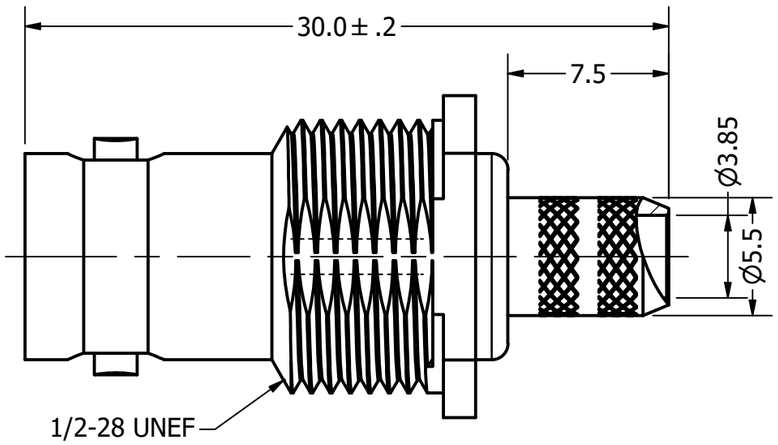
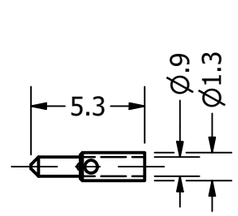
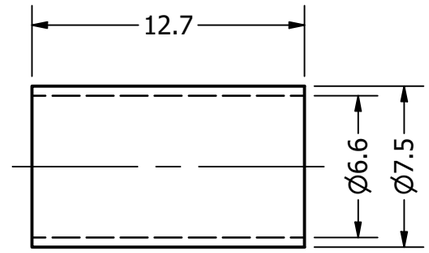
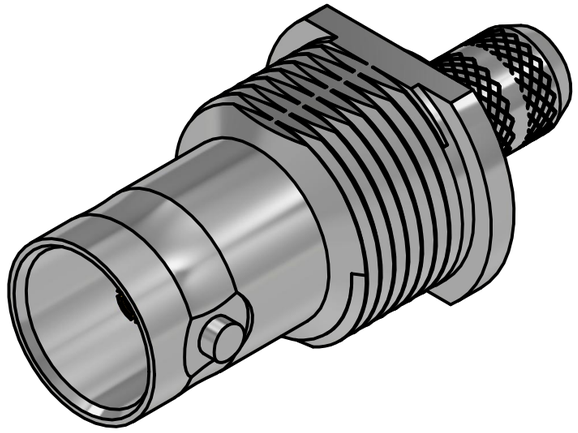




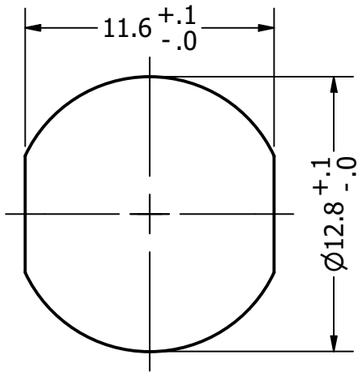




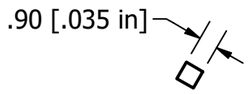


Supplied with nut and washer:

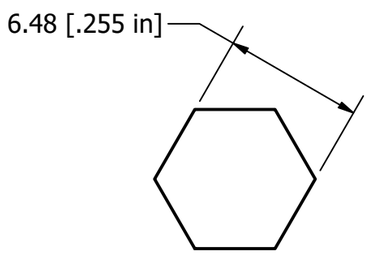
- Nut - ANB-H0-ABN-2.50
- Washer - AWB-S0-ZBN-0.50



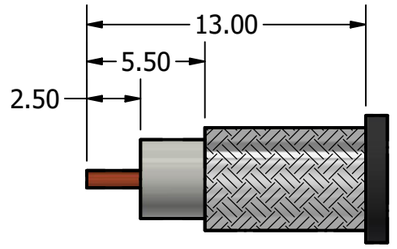
Recommended panel cutout



Recommended crimping dimension for contact



Recommended crimping dimension for ferrule



Recommended cable stripping dimensions

PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	FINISH
1	Body	Brass	Finish 1
2	Rear Mandrel	Brass	Finish 1
3	Insulator	PTFE	None
4	Inner Contact	BeCu	Finish 1/2
5	Centre Contact	Brass	Finish 1/2
6	Lock Washer	Steel	Finish 1
7	Nut	Brass	Finish 1
8	Ferrule	Brass	Finish 1

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin		6/9/2023	P. Millard
1.1	Updated Format	FB / INT	20/08/2026	Martin Smith

Design Right Protected

Third Angle Projection

RoHS Compliant

Material:

Finish:

.X ±0.20
.XX ±0.10
.XXX ±0.05
Angular ±1°

DO NOT SCALE

Unit of Measure: millimeters (mm)

Designed by Peter Millard

Checked by

Approved by

©2026

Date 06 Sep 2023

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Description: 75Ω BNC Socket 12GHz Cable Bulkhead for Cable Group AB; Hex Nut & Washer

Part No: XBT-1071-NGAB Cust

Issue 1.1

Sheet 1 / 2

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(B) BNC\XBT-1071-NGAB

Electrical:

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	500 V_{RMS}
Dielectric withstanding voltage	1500 V_{RMS}
Contact resistance	Centre contact ≤1.5 mΩ
Insulation resistance	≥5 GΩ

Environmental:

Temp ranges	-65 ~ +165°C
Vibration	N/A
Salt spray	N/A
Thermal shock	N/A
Mechanical	N/A

Finish:

1.	Ni plating	50µ" MIN (Under Plating)
2.	Au plating	1 ~ 2µ" MAX (Over Finish 1)

Processing:

Centre contact	Solder recommended & crimp capable
Ferrule	Crimp

Cable Group AB:

Belden 1505A

Belden 4505R

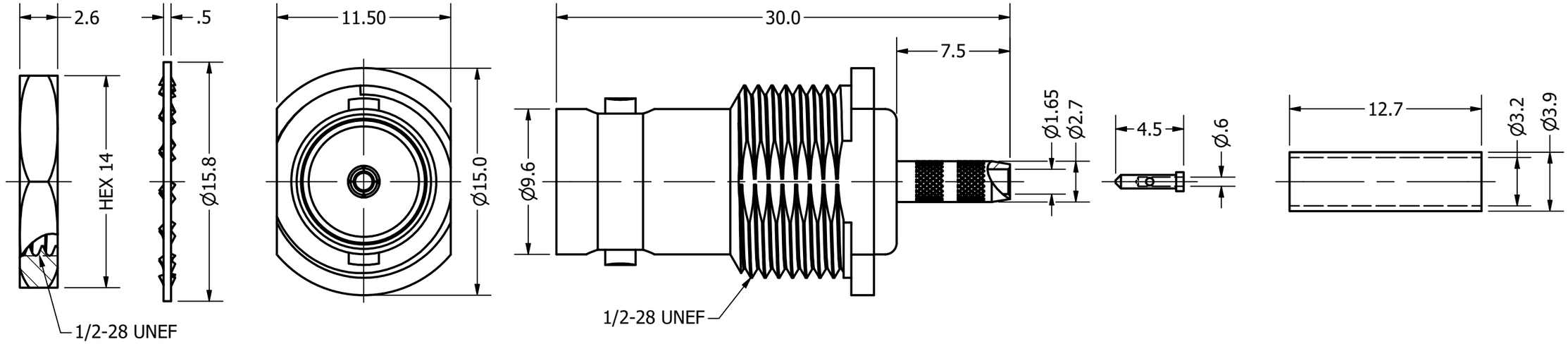
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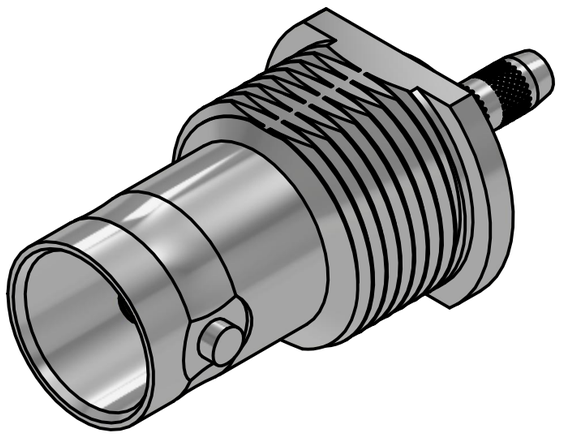
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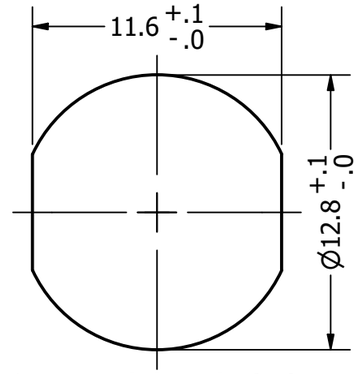
RG59B/U

URM 90

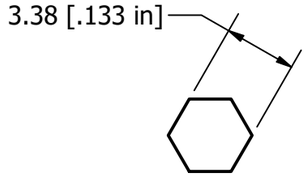
Design Right Protected	Material:	Finish:		.X ±0.20 .XX ±0.10 .XXX ±0.05 Angular ±1°	DO NOT SCALE Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by Peter Millard	Checked by	Approved by	©2026	Date 06 Sep 2023	A3
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			Part No: XBT-1071-NGAB Cust		Issue 1.1	Sheet 2 / 2



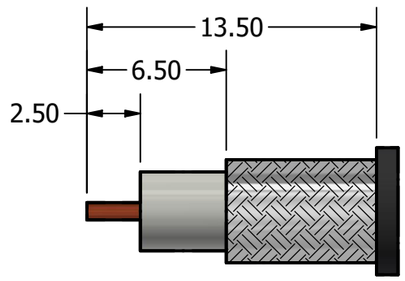




Recommended panel cutout



Recommended crimping dimension for ferrule



Recommended cable stripping dimensions

Supplied with nut and washer:

- Nut - ANB-H0-ABN-2.50
- Washer - AWB-S0-ZBN-0.50

PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	FINISH
1	Body	Brass	Finish 1
2	Rear Mandrel	Brass	Finish 1
3	Inner Contact	BeCu	Finish 1/2
4	Insulator	PTFE	None
5	Centre Contact	Brass	Finish 1/2
6	Ferrule	Brass	Finish 1
7	Lock Washer	Steel	Finish 1
8	Nut	Brass	Finish 1

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	17 Jun 2021	Peter Fayers
1.1	Updated Format	FB / INT	20/08/2026	Peter Millard

Design Right Protected

Material:

Finish:

.X ±0.20
.XX ±0.10
.XXX ±0.05
Angular ±1°

DO NOT SCALE

Unit of Measure: millimeters (mm)

Third Angle Projection

Designed by Peter Fayers

Checked by Peter Millard

Approved by

©2026

Date 17 Jun 2021

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Description: 75Ω BNC Socket 12GHz Cable Bulkhead for Cable Group AF; Hex Nut & Washer

Part No: XBT-1071-NGAF Cust

Issue 1.1

Sheet 1 / 2

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(B) BNC\XBT-1071-NGAF

Electrical:

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	500 V_{RMS}
Dielectric withstanding voltage	1500 V_{RMS}
Contact resistance	Centre contact ≤1.5 mΩ
Insulation resistance	≥5 GΩ

Environmental:

Temp ranges	-65 ~ +165°C
Vibration	N/A
Salt spray	N/A
Thermal shock	N/A
Mechanical	N/A

Finish:

1.	Ni plating	50µ" MIN (Under Plating)
2.	Au plating	1 ~ 2µ" MAX (Over Finish 1)

Processing:

Centre contact	Solder
Ferrule	Crimp

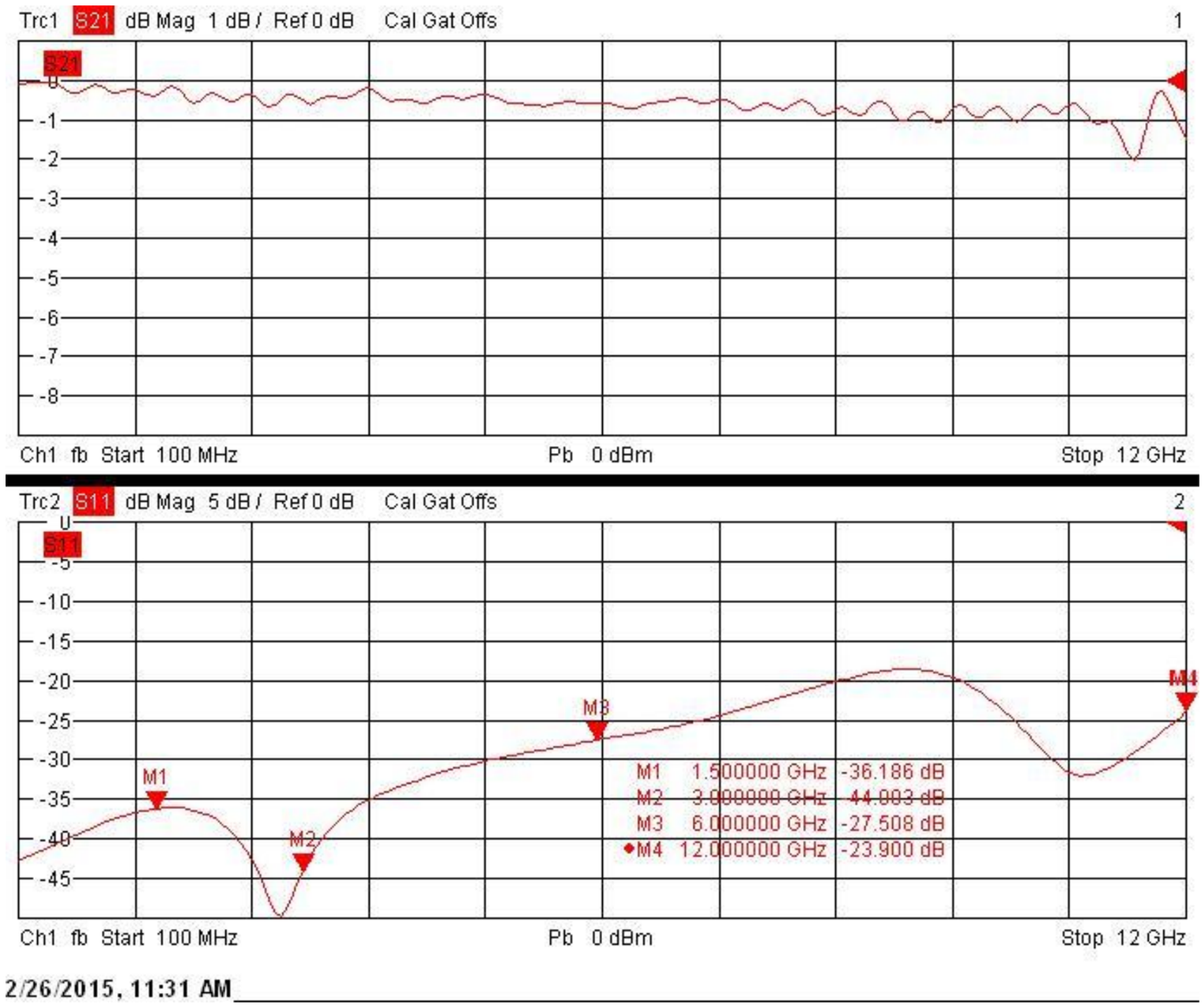
Cable Group AF:

RG179

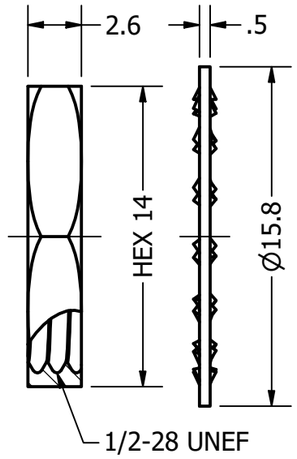
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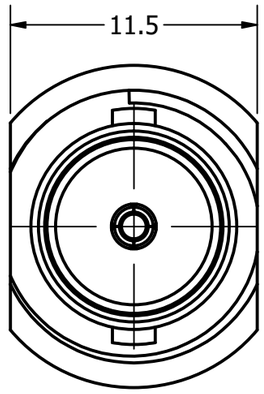
RG187A/U

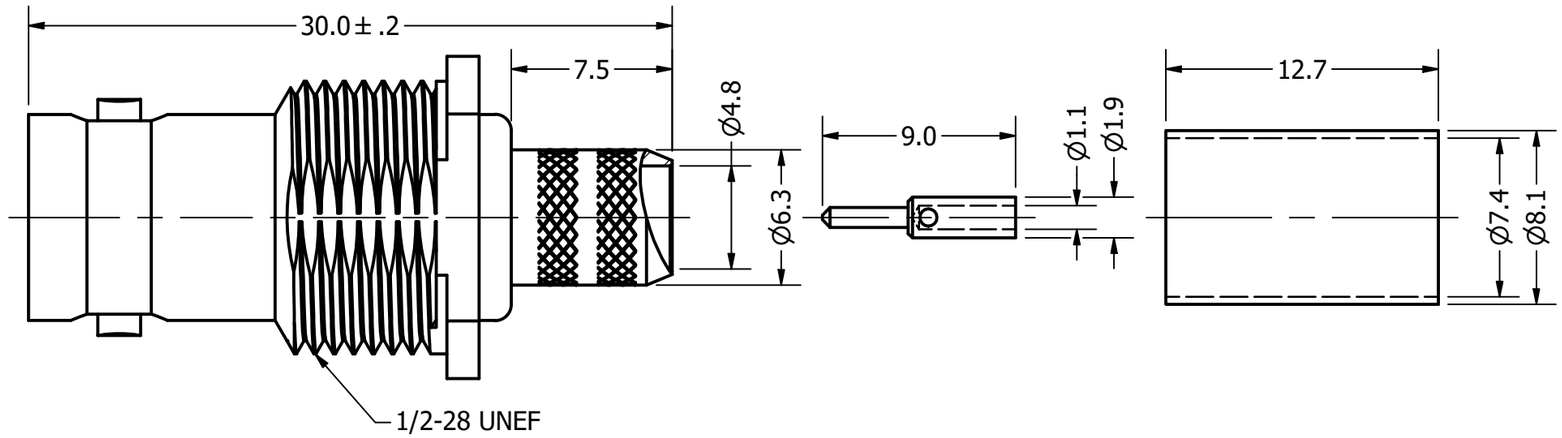
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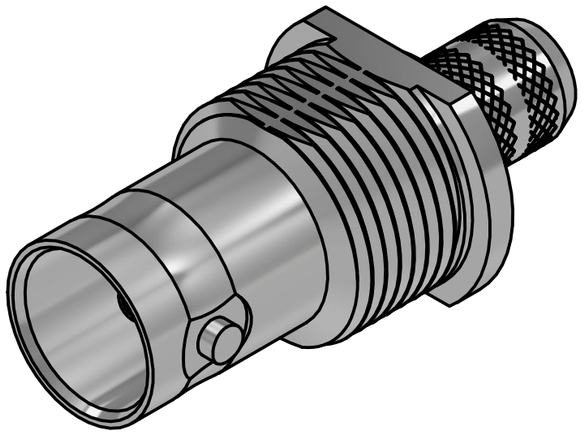


Design Right Protected	Material:	Finish:	.X ±0.20 .XX ±0.10 .XXX ±0.05 Angular ±1°	DO NOT SCALE Unit of Measure: millimeters (mm)		
Third Angle Projection	Designed by Peter Fayers	Checked by Peter Millard	Approved by	©2026	Date 17 Jun 2021	A3
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			Part No: XBT-1071-NGAF Cust	Issue 1.1	Sheet 2 / 2	



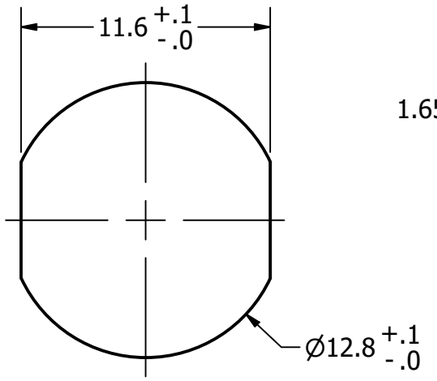




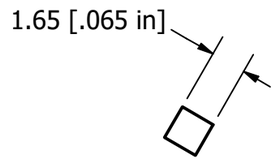


Supplied with nut and washer:

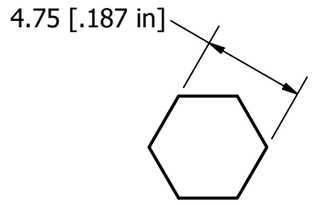
- Nut - ANB-H0-ABN-2.50
- Washer - AWB-S0-ZBN-0.50



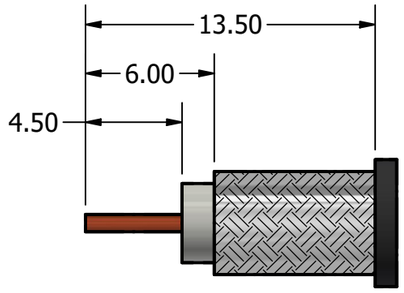
Recommended panel cutout



Recommended crimping dimension for contact



Recommended crimping dimension for ferrule



Recommended cable stripping dimensions

PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	FINISH
1	Body	Brass	Finish 1
2	Insulator	Brass	None
3	Outer Contact	Brass	Finish 1/2
4	Inner Contact	BeCu	Finish 1/2
5	Ferrule	Brass	Finish 1
6	Lock Washer	Steel	Finish 1
7	Nut	Brass	Finish 1

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	26 Jun 2019	P. Fayers
1.1	Format Updated	FB / INT	20 Aug 2026	Peter Millard

Design Right Protected

Material:

Finish:

x.x ±0.20
x.xx ±0.10
x.xxx ±0.05
Angular ±1°

DO NOT SCALE

Unit of Measure: millimeters (mm)

Third Angle Projection

Designed by P. Fayers

Checked by

Approved by

©2026

Date 26 Jun 2019

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Description: 75Ω BNC Socket 12GHz Cable Bulkhead for Cable Group AS; Hex Nut & Washer

Part No: XBT-1071-NGAS Cust

Issue 1.1

Sheet 1 / 2

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(B) BNC\XBT-1071-NGAS (HB220P1N01-A-R1)\PCBs - PECs -

Electrical:

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	500 V_{RMS}
Dielectric withstanding voltage	1500 V_{RMS}
Contact resistance	Centre contact ≤1.5 mΩ
Insulation resistance	≥5 GΩ

Environmental:

Temp ranges	-65 ~ +165°C
Vibration	N/A
Salt spray	N/A
Thermal shock	N/A
Mechanical	N/A

Finish:

1.	Ni plating	50µ" MIN (Under Plating)
2.	Au plating	1 ~ 2µ" MAX (Over Finish 1)

Processing:

Centre contact	Solder recommended & crimp capable
Ferrule	Crimp

Cable Group AS:

Belden 1694A

Belden 1694F

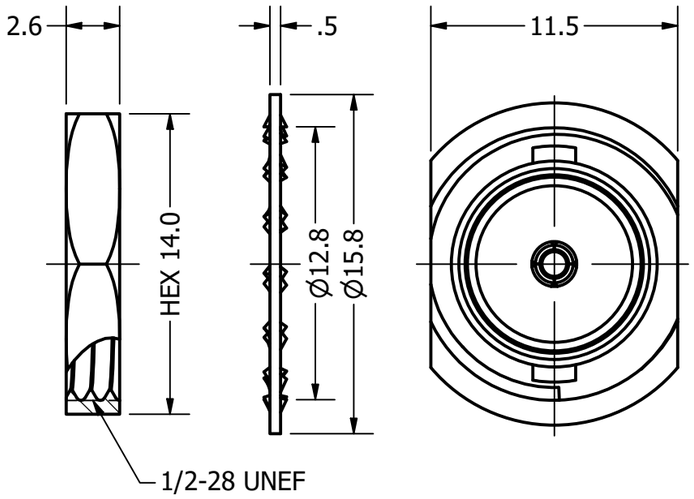
Belden 4694R

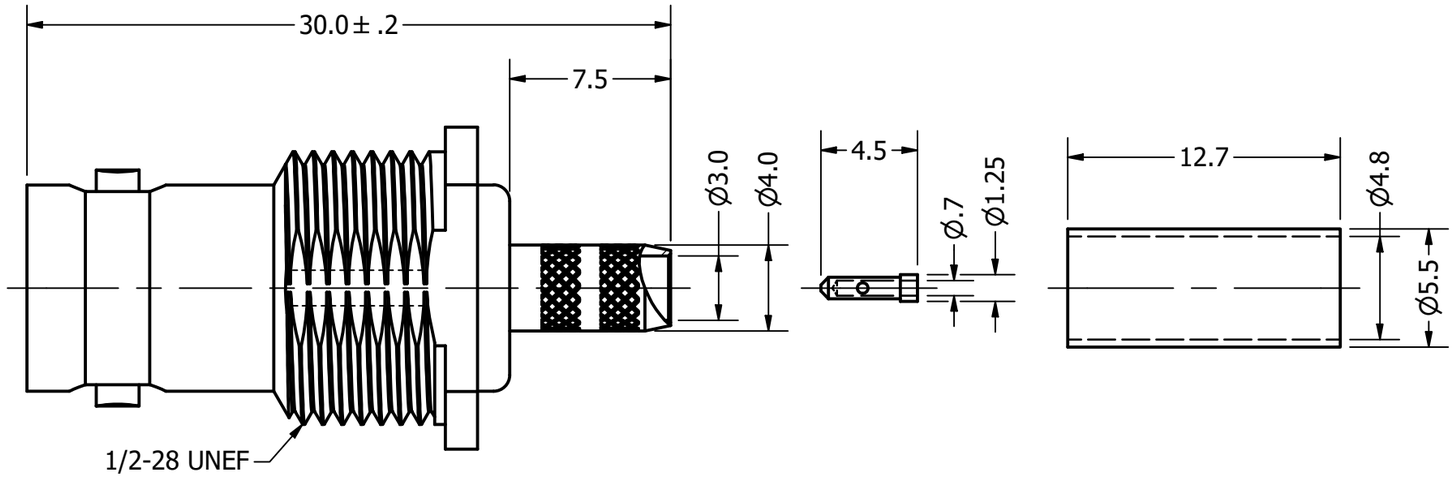
Canford SDV-F-R

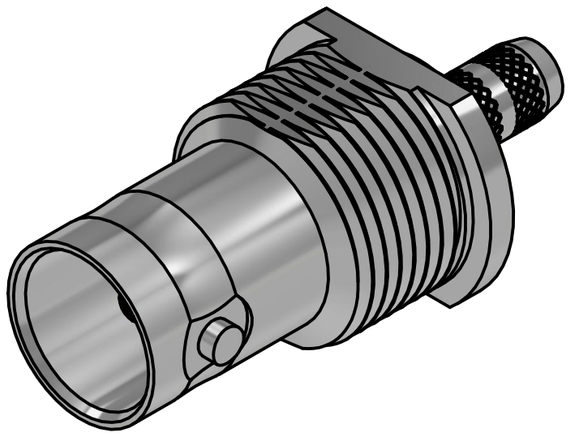
Canford SDV-XF

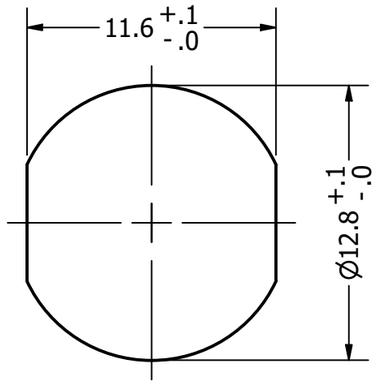
RG6

Design Right Protected	Material:	Finish:		x.x ±0.20 x.xx ±0.10 x.xxx ±0.05 Angular ±1°	DO NOT SCALE Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by P. Fayers	Checked by	Approved by	©2026	Date 26/06/2019	A3
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			Part No: XBT-1071-NGAS Cust		Issue 1.1	Sheet 2 / 2

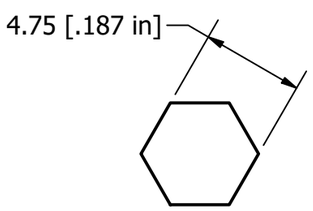




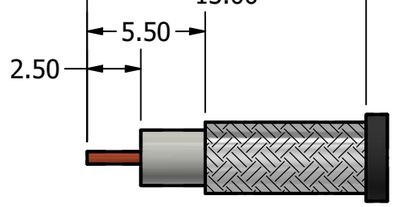




Recommended panel cutout



Recommended crimping dimension for ferrule



Recommended cable stripping dimensions

PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	FINISH
1	Body	Brass	Finish 1
2	Rear Mandrel	Brass	Finish 1
3	Insulator	PTFE	None
4	Inner Contact	BeCu	Finish 1/2
5	Centre Contact	Brass	Finish 1/2
6	Lock Washer	Steel	Finish 1
7	Nut	Brass	Finish 1
8	Ferrule	Brass	Finish 1

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	06 Sep 2023	Peter Millard
1.1	Updated Format	FB / INT	20 Aug 2026	Peter Millard

Design Right Protected

Material:

Finish:

x.x ±0.20
x.xx ±0.10
x.xxx ±0.05
Angular ±1°

DO NOT SCALE

Unit of Measure: millimeters (mm)

Third Angle Projection

Designed by Peter Millard

Checked by

Approved by

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Date 06 Sep 2023

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Description: 75Ω BNC Socket 12GHz Cable Bulkhead for Cable Group BA; Hex Nut & Washer

Part No: XBT-1071-NGBA Cust

Issue 1.1

Sheet 1 / 2

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(B) BNC\XBT-1071-NGBA (HB220P0N01-AT-R1)\BNC.ipt

Electrical:

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	500 V_{RMS}
Dielectric withstanding voltage	1500 V_{RMS}
Contact resistance	Centre contact ≤1.5 mΩ
Insulation resistance	≥5 GΩ

Environmental:

Temp ranges	-65 ~ +165°C
Vibration	N/A
Salt spray	N/A
Thermal shock	N/A
Mechanical	N/A

Finish:

1.	Ni plating	50µ" MIN (Under Plating)
2.	Au plating	1 ~ 2µ" MAX (Over Finish 1)

Processing:

Centre contact	Solder
Ferrule	Crimp

Cable Group BA:

Belden 1855A

Belden 4855R

Mini RG59

Design Right Protected	Material:	Finish:		x.x ±0.20 x.xx ±0.10 x.xxx ±0.05 Angular ±1°	DO NOT SCALE Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by Peter Millard	Checked by	Approved by	©2026	Date 06 Sep 2023	A3
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			Part No: XBT-1071-NGBA Cust		Issue 1.1	Sheet 2 / 2