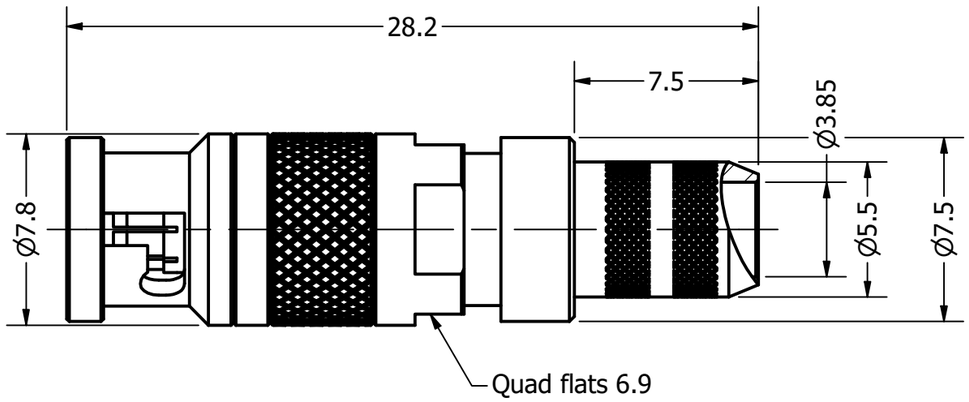
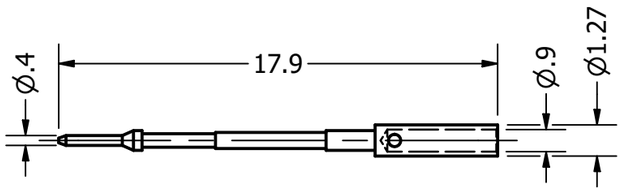
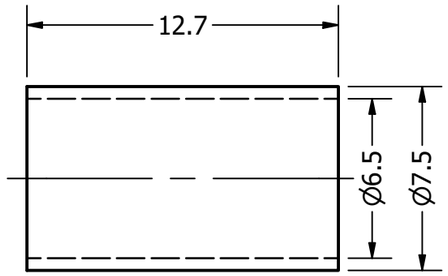
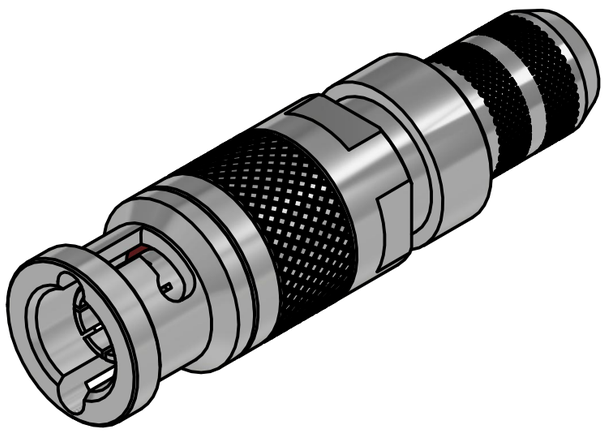
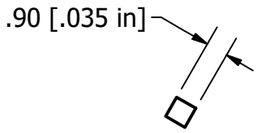


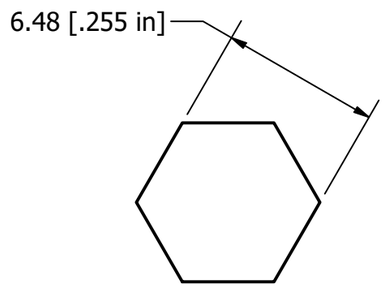




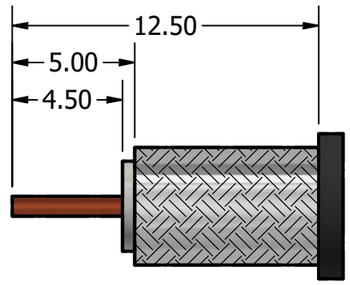




Recommended crimping dimension for contact



Recommended crimping dimension for ferrule



Recommended cable stripping dimensions

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	16/05/2019	Peter Fayers
1.1	Centre pin to be soldered	-	07/07/2021	Peter Fayers
1.2	Updated format	FB / INT	25 Aug 2026	Peter Millard

PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	FINISH
1	Shell	Brass	Finish 1
2	Body	Brass	Finish 1
3	Insulator	PTFE	None
4	Inner Contact	BeCu	Finish 1/2
5	Ferrule	Brass	Finish 1

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 Fayers

Checked by Martin Smith

Approved by

©2026

Date 16/05/2019

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Description:
75Ω Micro BNC Plug 12GHz Cable Mount for Cable Group AB

Part No: XPT-D001-NGAB Cust

Issue 1.2

Sheet 1 / 2

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(P) Micro BNC\XPT-D001-NGAB

Electrical:

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	170 V_{RMS}
Dielectric withstanding voltage	500 V_{RMS}
Contact resistance	Centre contact ≤5.0 mΩ
	Outer contact ≤2.5 mΩ
Insulation resistance	≥1000 MΩ

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	2µ" MAX (over finish 1)

Processing:

Centre Contact	Solder recommended & crimp capable
Ferrule	Crimp

Cable Group AB:

Belden 1505A

Belden 4505R

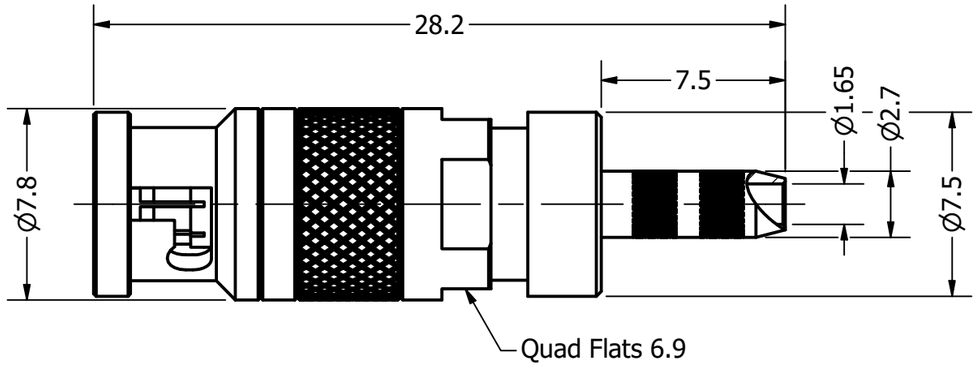
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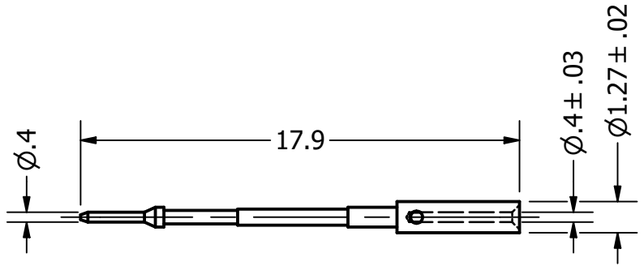
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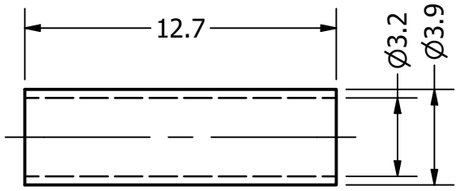
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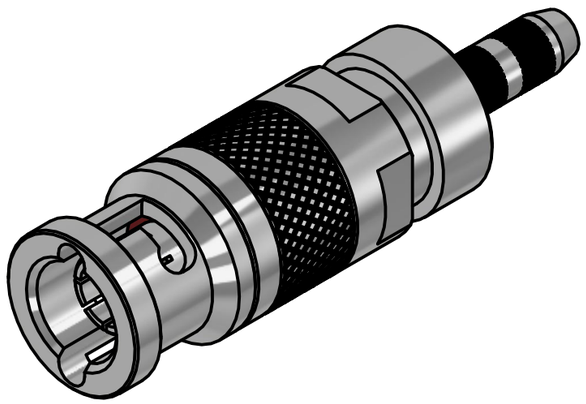
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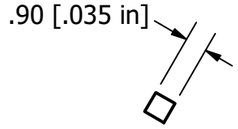
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Third Angle Projection	Designed by Peter Fayers	Checked by Martin Smith	Approved by	©2026	Date 16 May 2019	A3
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			Part No: XPT-D001-NGAB Cust	Issue 1.2	Sheet 2 / 2	

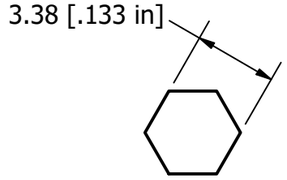


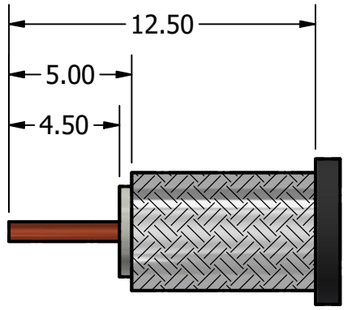












Recommended crimping dimension for contact

Recommended crimping dimension for ferrule

Recommended cable stripping dimensions

PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	FINISH
1	Shell	Brass	Finish 1
2	Body	Brass	Finish 1
3	Insulator	PTFE	None
4	Inner Contact	BeCu	Finish 1/2
5	Ferrule	Brass	Finish 1

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	21/12/2021	Peter Fayers
1.1	Updated Format	FB / INT	25/08/2026	Peter Millard

Design Right Protected

Third Angle Projection

RoHS Compliant

Material:

Finish:

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

DO NOT SCALE

Unit of Measure: millimeters (mm)

Designed by Peter Fayers

Checked by Martin Smith

Approved by

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Date 21/12/2021

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Description: 75Ω Micro BNC Plug 12GHz Cable Mount for Cable Group AF

Part No: XPT-D001-NGAF Cust

Issue 1.1

Sheet 1 / 2

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(P) Micro BNC\XPT-D001-NGAF

Electrical:

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	500 V_{RMS}
Dielectric withstanding voltage	1000 V_{RMS}
Contact resistance	Centre contact ≤3.0 mΩ
	Outer contact ≤2.5 mΩ
Insulation resistance	≥5000 MΩ

Environmental:

Temp ranges	-65 ~ +165°C
Vibration	MIL-STD-202 method 204 test condition D
Salt spray	MIL-STD-202 method 101 test condition C
Thermal shock	MIL-STD-202 method 107 test condition B
Mechanical	MIL-STD-202 method 213 test condition I

Finish:

1.	Ni plating	50µ" MIN (under plating)
2.	Au plating	2µ" MAX (over finish 1)

Processing:

Centre Contact	Solder recommended & crimp capable
Ferrule	Crimp

Cable Group AF:

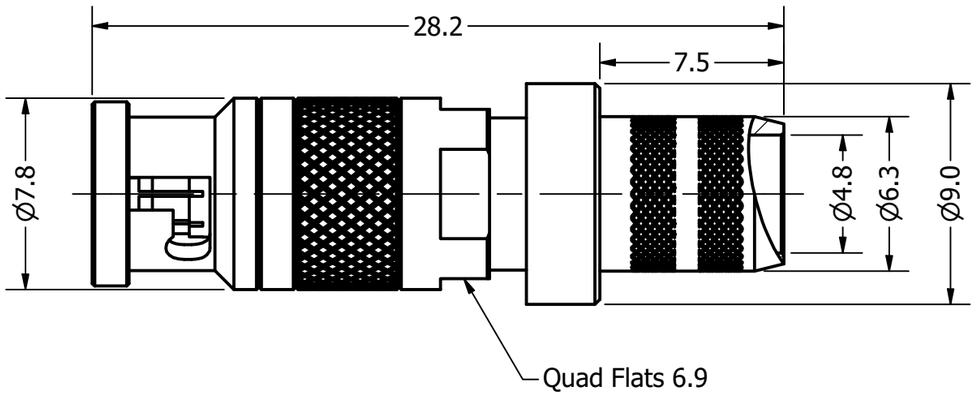
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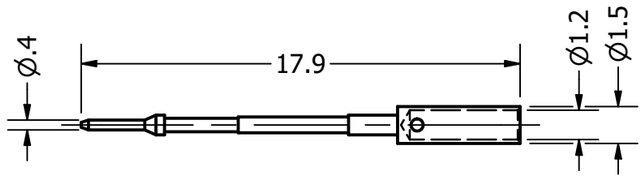
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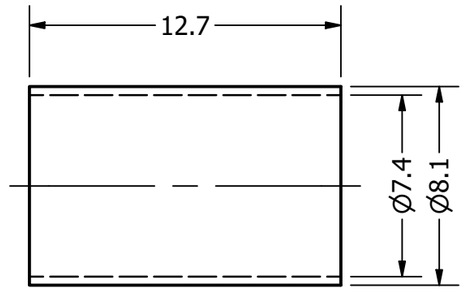
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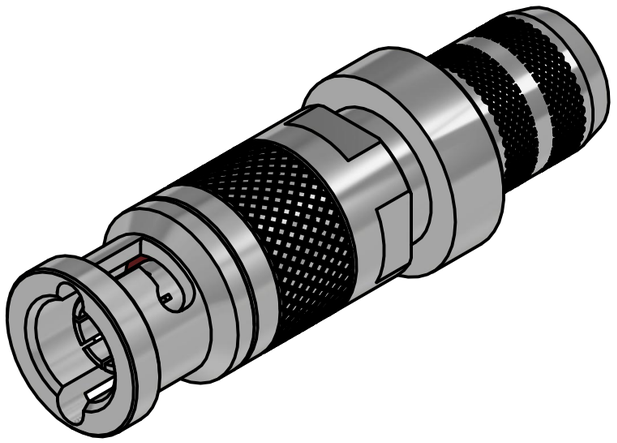
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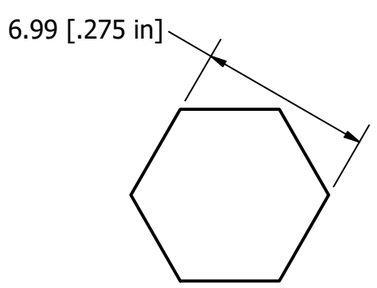
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RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTIRES	This document and all the data contained herein is and shall remain the property of Cambridge Electronic Industries Ltd and may not be used or copied for any purpose whatsoever without the written permission of Cambridge Electronic Industries Ltd.	Description: 75Ω Micro BNC Plug 12GHz Cable Mount for Cable Group AF			
			Part No: XPT-D001-NGAF Cust		Issue 1.1	Sheet 2 / 2



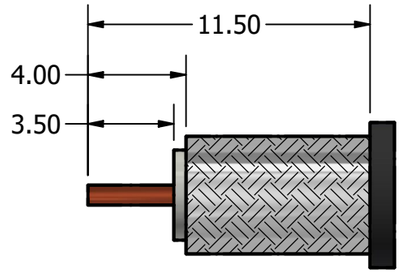








Recommended crimping dimension for ferrule



Recommended cable stripping dimensions

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	01 Apr 2015	Peter Fayers
1.1	Spec Added	-	27 Oct 2015	Peter Fayers
1.2	Updated Format	FB / INT	25 Aug 2026	Peter Millard

PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	FINISH
1	Shell	Brass	Finish 1
2	Body	Brass	Finish 1
3	Insulator	PTFE	None
4	Inner Contact	BeCu	Finish 1/2
5	Ferrule	Brass	Finish 1

Design Right Protected

Material:

Finish:

x.x ±0.10
x.xx ±0.05
x.xxx ±0.02
Angular ±1°

DO NOT SCALE

Unit of Measure: millimeters (mm)

Third Angle Projection

Designed by Peter Fayers

Checked by Martin Smith

Approved by

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Date 01/04/2015

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Description:
75Ω Micro BNC Plug 12GHz Cable Mount for Cable Group AS

Part No: XPT-D001-NGAS Cust

Issue 1.2

Sheet 1 / 2

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(P) Micro BNC\XPT-D001-NGAS

Electrical:

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	170 V_{RMS}
Dielectric withstanding voltage	500 V_{RMS}
Contact resistance	Centre contact ≤5.0 mΩ
	Outer contact ≤2.5 mΩ
Insulation resistance	≥1000 MΩ

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 AS:

Belden 1694A

Belden 1694F

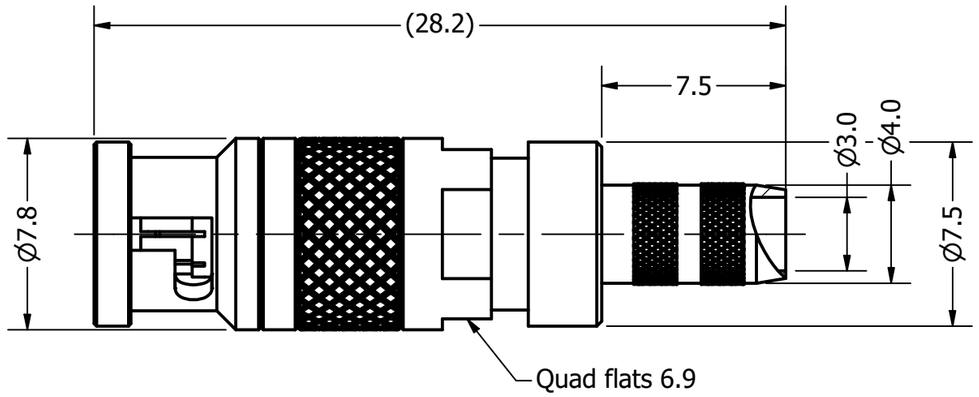
Belden 4694R

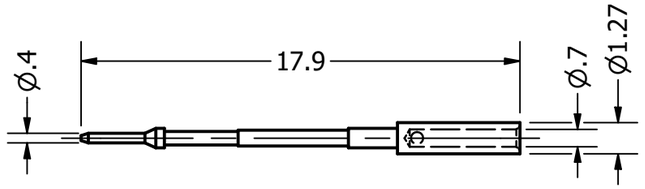
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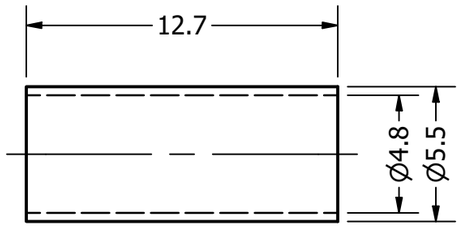
Canford SDV-XF

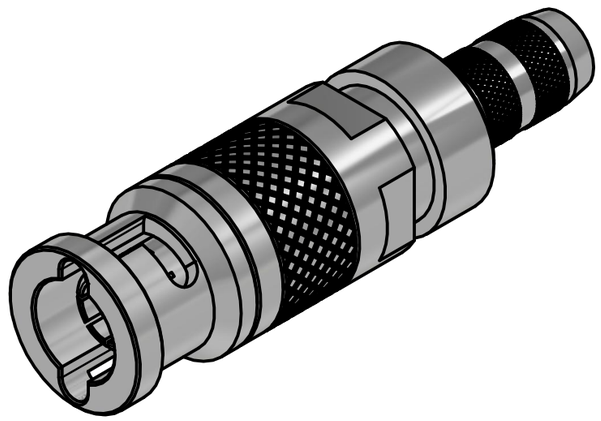
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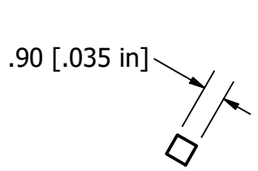
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Third Angle Projection	Designed by Peter Fayers	Checked by Martin Smith	Approved by	©2026	Date 01/04/2015	A3
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			Part No: XPT-D001-NGAS Cust	Issue 1.2	Sheet 2 / 2	



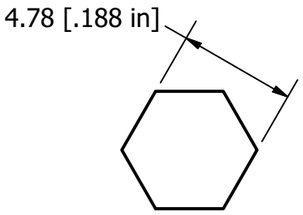




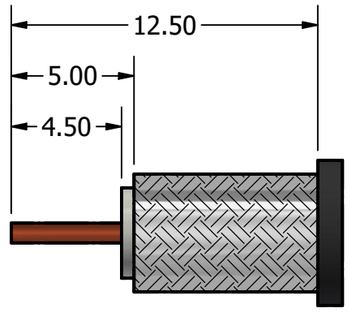




Recommended crimping dimension for contact



Recommended crimping dimension for ferrule



Recommended cable stripping dimensions

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	18 Sep 2014	Peter Fayers
1.1	RL Data Added	-	25 Sep 2014	Peter Fayers
1.2	Knurl Added	-	04 Dec 2014	Peter Fayers
1.3	Tool No Added	-	27 Mar 2017	Peter Fayers
1.4	Solder Note	-	07 Jul 2021	Peter Fayers
1.5	Updated Format	FB / INT	26 Aug 2026	Peter Fayers

PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	FINISH
1	Shell	Brass	Finish 1
2	Body	Brass	Finish 1
3	Insulator	PTFE	None
4	Inner Contact	BeCu	Finish 1/2
5	Ferrule	Brass	Finish 1

Design Right Protected

Third Angle Projection

RoHS Compliant

Material:

Finish:

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

DO NOT SCALE

Unit of Measure: millimeters (mm)

Designed by Peter Fayers

Checked by Martin Smith

Approved by

©2026

Date 18/09/2014

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Description:
75Ω Micro BNC Plug 12GHz Cable Mount for Cable Group BA

Part No: XPT-D001-NGBA Cust

Issue 1.5

Sheet 1 / 2

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(P) Micro BNC\XPT-D001-NGBA

Electrical:

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	170 V_{RMS}
Dielectric withstanding voltage	500 V_{RMS}
Contact resistance	Centre contact ≤5.0 mΩ
	Outer contact ≤2.5 mΩ
Insulation resistance	≥1000 MΩ

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	2µ" MAX (over finish 1)

Processing:

Centre Contact	Solder recommended & crimp capable
Ferrule	Crimp

Cable Group BA:

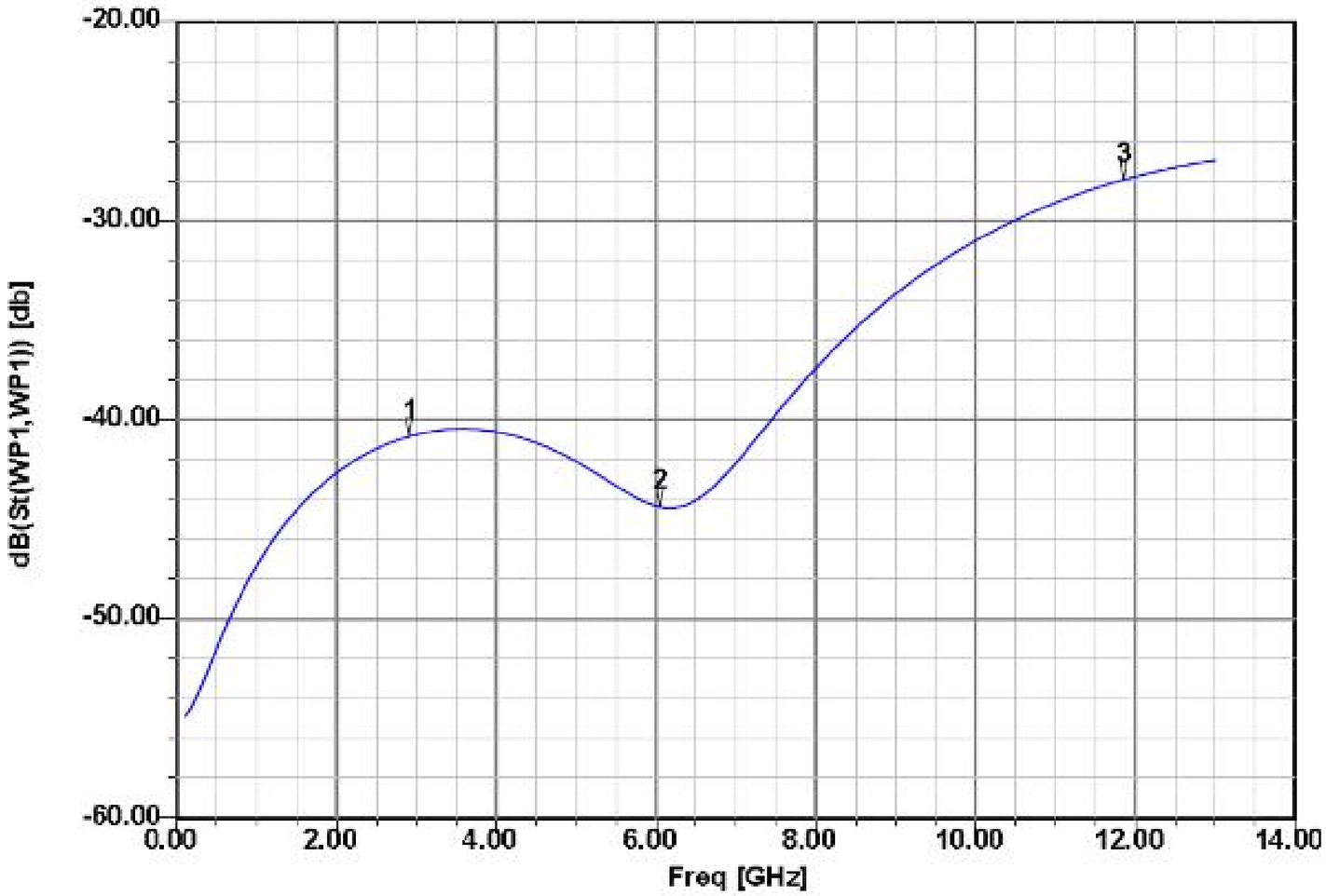
Belden 1855A

Belden 4855R

Mini RG59

17 Feb 2014 | Ansoft Corporation | 00:12:46

XY Plot 1
HFSSDesign1

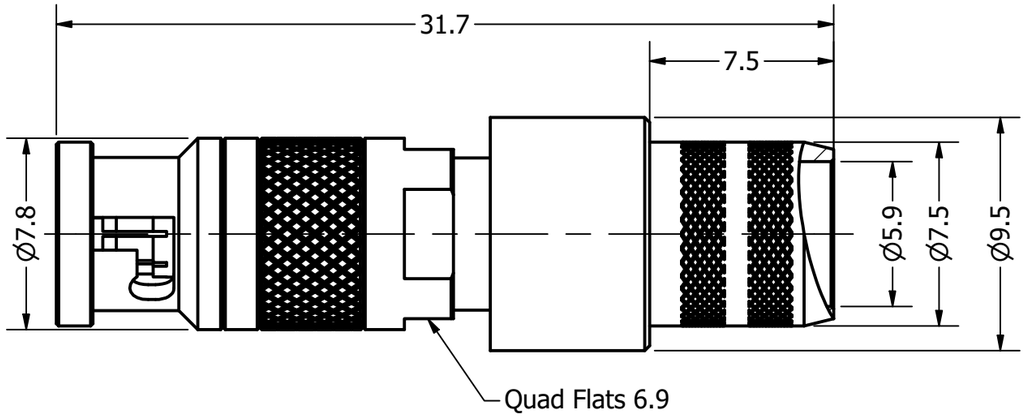


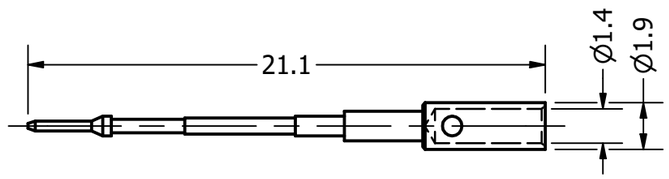
X1= 2.91GHz
Y1= -40.83

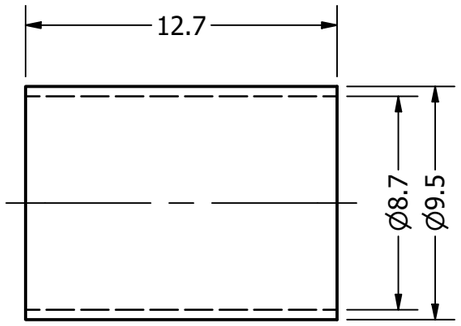
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Y2= -44.36

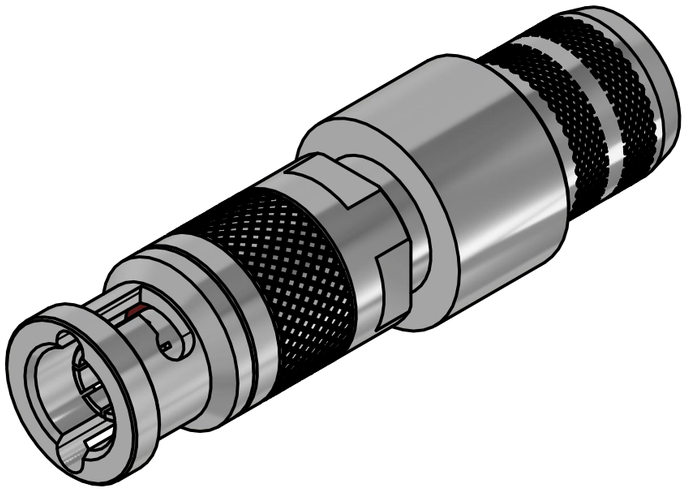
X3= 11.86GHz
Y3= -27.94

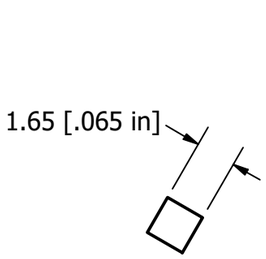
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Third Angle Projection	Designed by Peter Fayers	Checked by Martin Smith	Approved by	©2026	Date 18/09/2014	A3
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			Part No: XPT-D001-NGBA Cust		Issue 1.5	Sheet 2 / 2



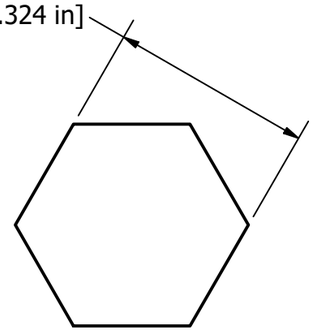




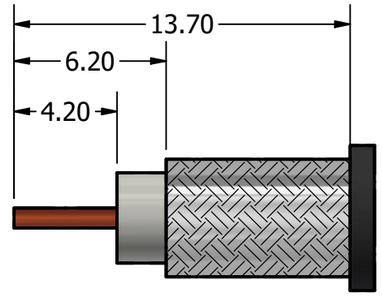




Recommended crimping dimension for contact



Recommended crimping dimension for ferrule



Recommended cable stripping dimensions

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	01 Mar 2022	Peter Fayers
1.1	Updated Format	FB / INT	26 Aug 2026	Peter Millard

PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	FINISH
1	Shell	Brass	Finish 1
2	Body	Brass	Finish 1
3	Insulator	PTFE	None
4	Inner Contact	BeCu	Finish 1/2
5	Ferrule	Brass	Finish 1

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 Fayers

Checked by Martin Smith

Approved by

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Date 01/03/2022

A3

RoHS Compliant

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Description: 75Ω Micro BNC Plug 12GHz Cable Mount for Cable Group BD

Part No: XPT-D001-NGBD Cust

Issue 1.1

Sheet 1 / 2

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(P) Micro BNC\XPT-D001-NGBD

Electrical:

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	500 V_{RMS}
Dielectric withstanding voltage	1000 V_{RMS}
Contact resistance	Centre contact ≤3.0 mΩ
	Outer contact ≤2.5 mΩ
Insulation resistance	≥5000 MΩ

Environmental:

Temp ranges	-65 ~ +165°C
Vibration	MIL-STD-202 method 204 test condition D
Salt spray	MIL-STD-202 method 101 test condition C
Thermal shock	MIL-STD-202 method 107 test condition B
Mechanical	MIL-STD-202 method 213 test condition I

Finish:

1.	Ni plating	50µ" MIN (under plating)
2.	Au plating	2µ" MAX (over finish 1)

Processing:

Centre Contact	Solder recommended & crimp capable
Ferrule	Crimp

Cable Group BD:

Belden 1794A

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 Fayers	Checked by Martin Smith	Approved by	©2026	Date 01/03/2022	A3
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTRIES	This document and all the data contained herein is and shall remain the property of Cambridge Electronic Industries Ltd and may not be used or copied for any purpose whatsoever without the written permission of Cambridge Electronic Industries Ltd.	Description: 75Ω Micro BNC Plug 12GHz Cable Mount for Cable Group BD			
			Part No: XPT-D001-NGBD Cust		Issue 1.1	Sheet 2 / 2