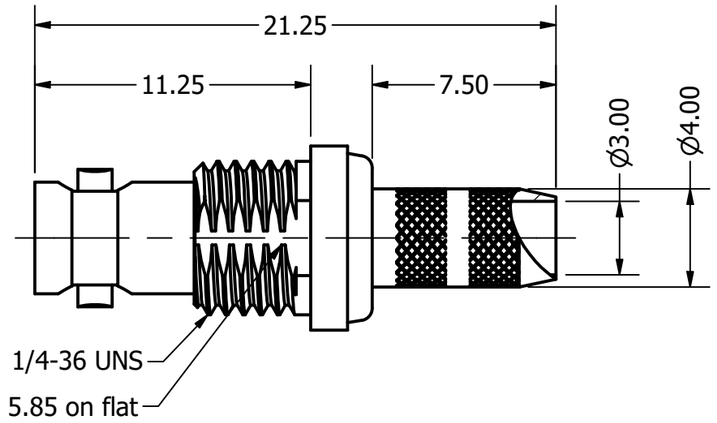
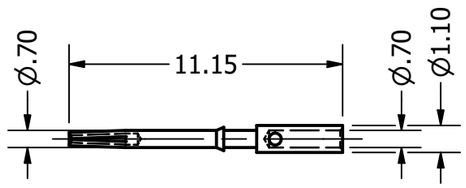
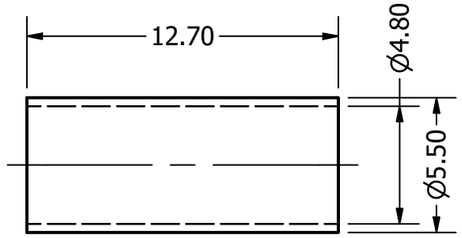
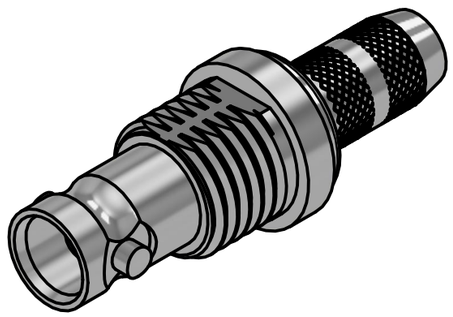
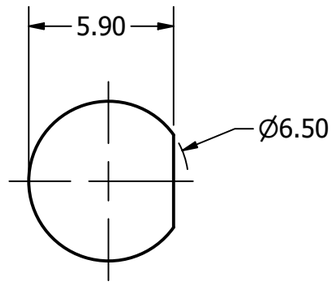




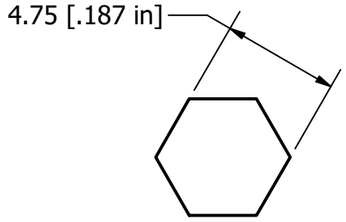




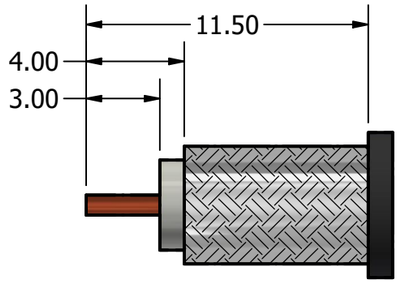




Recommended panel cutout



Recommended crimping dimension for ferrule



Recommended cable stripping dimensions

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	04 Feb 2016	Peter Fayers
1.1	Electrical Performance data added	-	26 Aug 2026	Peter Fayers
1.2	Panel Cut Out Added	-	26 Aug 2026	Peter Fayers
1.3	Updated Format	FB / INT	26 Aug 2026	Peter Fayers

PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	FINISH
1	Body	Brass	Finish 1
2	Insulator	PTFE	None
3	Inner Contact	BeCu	Finish 1/2
4	Ferrule	Brass	Finish 1
5	Round Nut	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 04/02/2016

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Description:
75Ω Micro BNC Socket 12GHz Cable Mount for Cable Group BA; Circular Nut

Part No: XPT-D003-NGBA Cust

Issue 1.3

Sheet 1 / 2

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(P) Micro BNC\XPT-D003-NGBA

Electrical:

Impedance	75Ω
Frequency range	DC ~ 12.0 GHz
Working voltage	500 VRMS
Dielectric withstanding voltage	1000 VRMS
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:

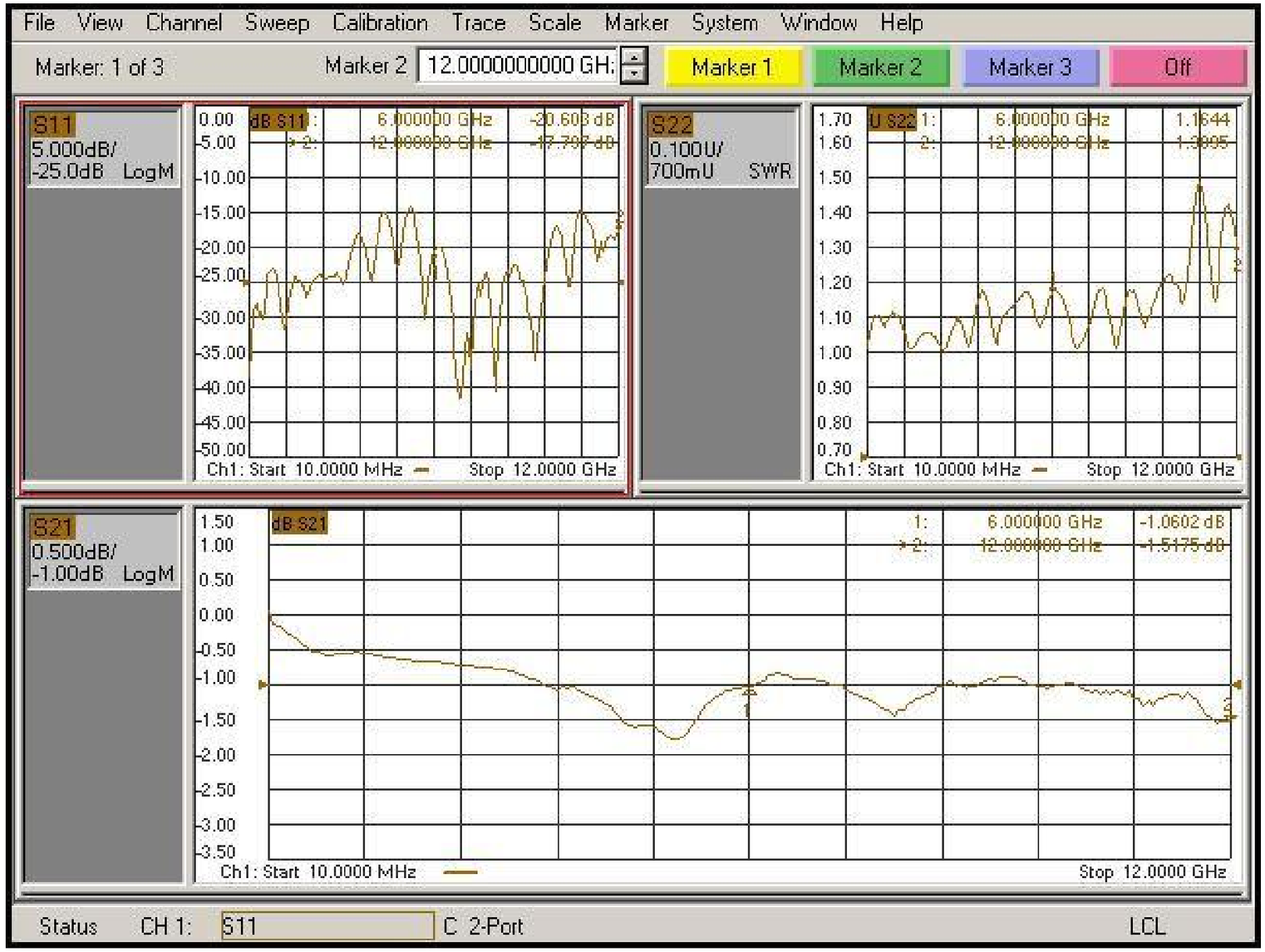
Centre Contact	Solder
Ferrule	Crimp

Cable Group BA:

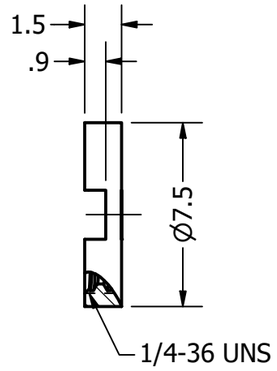
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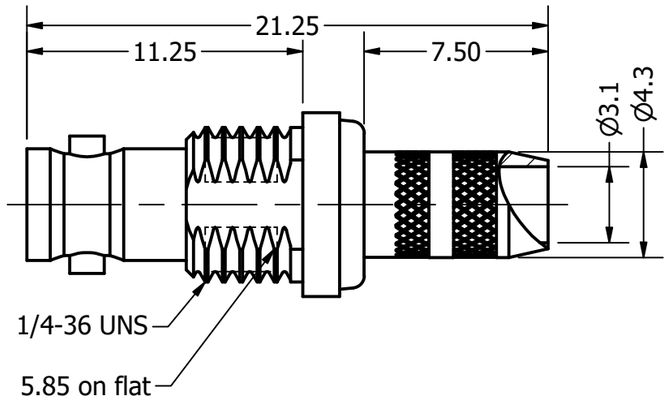
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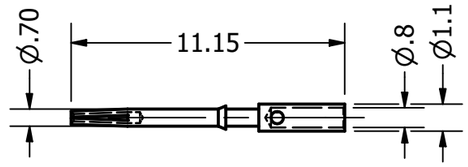
Mini RG59

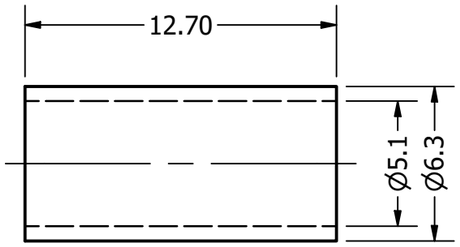


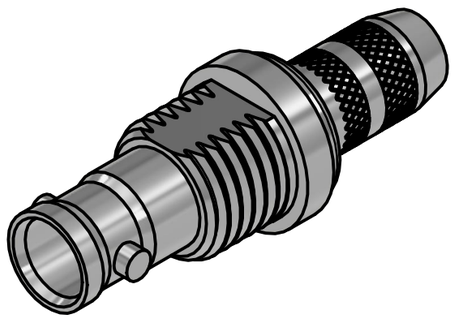
Design Right Protected	Material:	Finish:	x.x ±0.20 x.xx ±0.10 x.xxx ±0.05 Angular ±1°	DO NOT SCALE		
Third Angle Projection	Designed by Peter Fayers	Checked by Martin Smith	Approved by	©2026	Date 04/02/2016	A3
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			Part No: XPT-D003-NGBA Cust	Issue 1.3	Sheet 2 / 2	

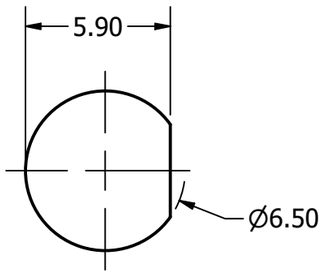




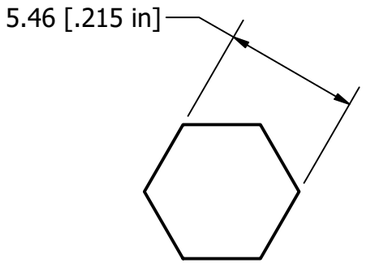




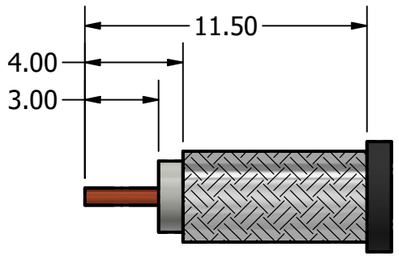




Recommended panel cutout



Recommended crimping dimension for ferrule



Recommended cable stripping dimensions

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

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	30 Sep 2021	Peter Fayers
1.1	Plating spec change	-	07 Oct 2021	Peter Fayers
1.2	Updated Format	FB / INT	26 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 Fayers

Checked by Martin Smith

Approved by

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Date 30/09/2021

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Description:
75Ω Micro BNC Socket 12GHz Cable Mount for Cable Group DK; Circular Nut

Part No: XPT-D003-NGDK Cust

Issue 1.2

Sheet 1 / 2

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(P) Micro BNC\XPT-D003-NGDK

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 B
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
Ferrule	Crimp

Cable Group DK:

Draka Ultra HD Pro 50 UHD

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 30/09/2021 — A3
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 Socket 12GHz Cable Mount for Cable Group DK; Circular Nut		
			Part No: XPT-D003-NGDK Cust	Issue 1.2	Sheet 2 / 2