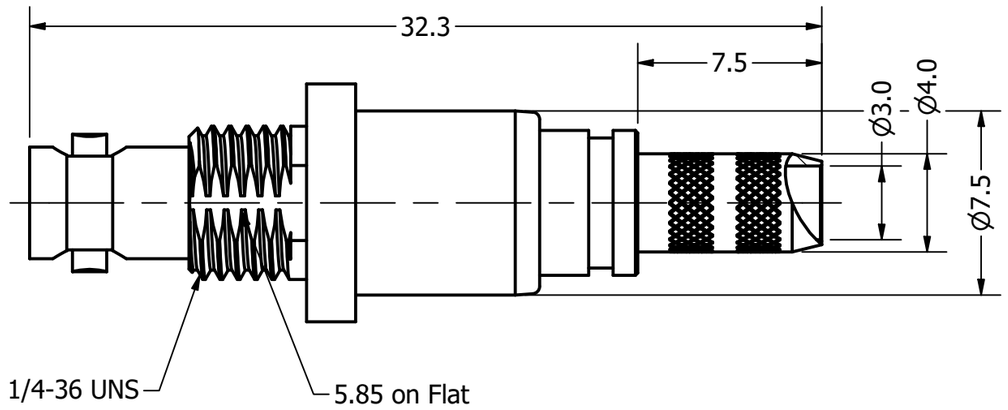
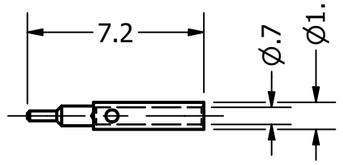
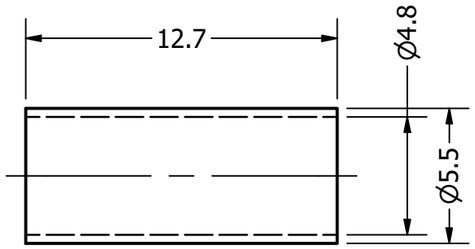
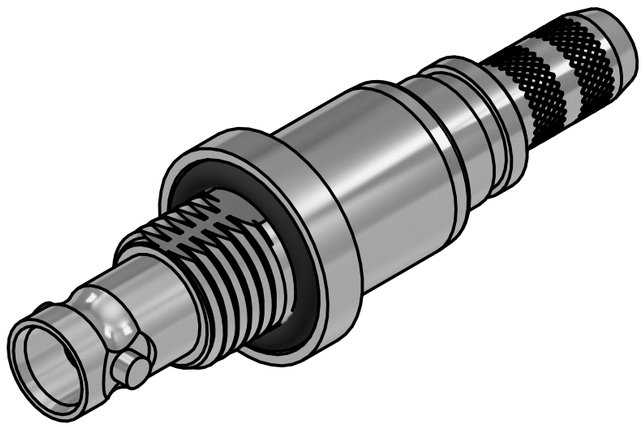
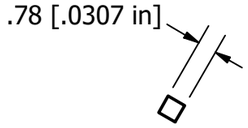


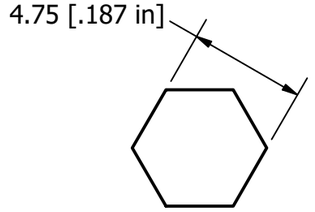


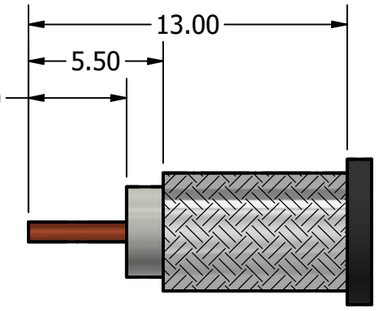












Recommended crimping dimension for contact

Recommended crimping dimension for ferrule

Recommended cable stripping dimensions

PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	FINISH
1	Body	Brass	Finish 1
2	Insulator	PTFE	None
3	Inner Contact	BeCu	Finish 1/2
4	Centre Contact	Brass	Finish 1/2
5	Ferrule	Brass	Finish 1
6	O-Ring	Silicone	Black
7	Round Nut	Brass	Finish 1

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	07 Jul 2026	Peter Fayers
1.1	Updated Format	FB / INT	27 Aug 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 Peter Millard

Approved by

©2026

Date 07/07/2021

A3

CAMBRIDGE ELECTRONIC INDUSTRIES

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Description:
75Ω Micro BNC Socket 12GHz IP67 Cable Mount for Cable Group BA; Circular Nut & Seal

Part No: XPT-D006-NGBA Cust

Issue 1.1

Sheet 1 / 2

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(P) Micro BNC\XPT-D006-NGBA

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 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 Fayers	Checked by Peter Millard	Approved by	©2026	Date 07/07/2021	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 IP67 Cable Mount for Cable Group BA; Circular Nut & Seal			
			Part No: XPT-D006-NGBA Cust		Issue 1.1	Sheet 2 / 2