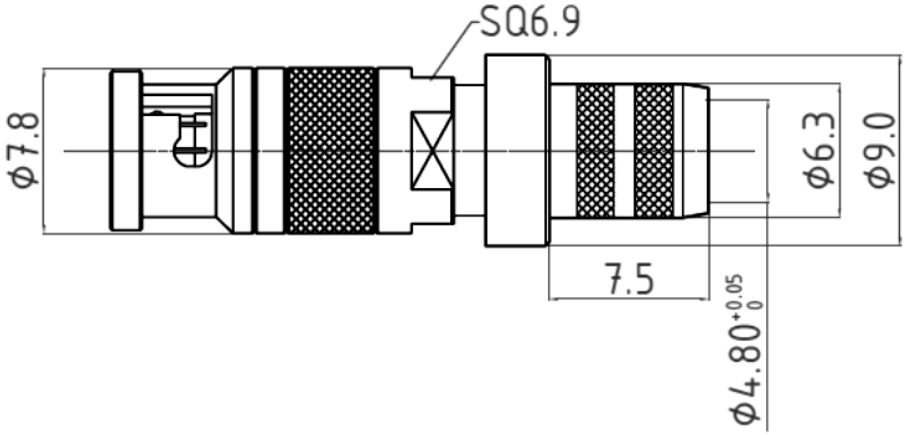
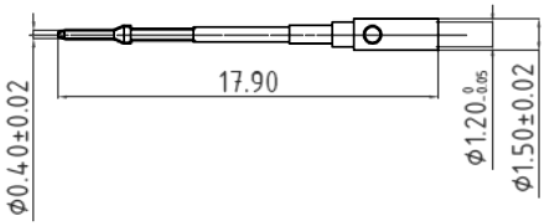
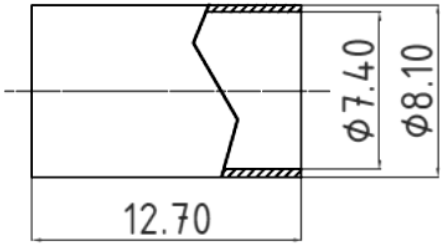
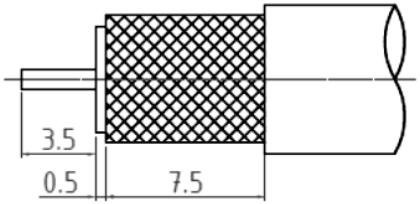




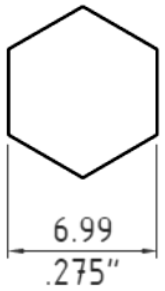


Finish : **[Unit of Plating Thickness Is in Micro Inch(μ)]**

1. Nickel Plating
2. Gold Plating Thickness : 2 μ" MAX.



Recommended Cable Stripping Dimensions



Recommended Crimping Dimensions for Ferrule

ITEM	Description	Material	Finish
5	Ferrule	Brass	Finish 1
4	Pin	BeCu	Finish 1/2
3	Insulator	PTFE	None
2	Body	Brass	Finish 1
1	Shell	Brass	Finish 1

TITLE	MicroBNC Cable Plug for B1694A
RoHS Compliant	Cambridge Electronic Industries Ltd Denny Industrial Centre, Waterbeach, Cams. CB25 9QR Tel: (01223) 860041

1.1	Spec added	27/10/2015
1.0	Origin	01/04/2015
Issue.	**CHANGE**	**Date**
Origin.		01/04/2015
Drn.	P. Fayers	01/04/2015
Chkd.		01/04/2015
Dwg. No.	XPT-D001-NGAS	

Specification

1. Crimp Plug for BELDEN 1694A
2. **Component Plating: (Material / Plating)**

   Shell: Brass / Ni 50u" min over Cu 30u" min

   Body: Brass / Ni 50u" min over Cu 30u" min

   Insulator: PTFE / None

   Center Contact: Becu / Gold 1 u" min over Ni 50u" min over Cu 30u" min

   Ferrule: Brass / Ni 50u" min over Cu 30u" min
3. **IPC (Inductively Coupled Plasma) Data:**

   Brass: Cu - 58.1%; Pb - 2.72%; Fe - 0.213%; Sn - 0.241%; Fe+Sn - 0.454%; Zn - 38.51%; Cd - 0.0020%; Al - <0.0010%; Ni - 0.104%.

   PTFE: Polytetrafluoroethylene - 100%

   Becu: Cu – 97.23%; Be – 1.84%; Ni+Co – 0.23%; Ni+Co+Fe – 0.27%; Si – 0.06%; Al – 0.03%; Pb – 0.34%.
4. **Electrical Data :**

   Impedance: 75 Ohm

   Frequency Range: 0 to 12.0 GHz

   Return Loss: 0 ~ 6 GHz < 30 dB

   6 ~ 12 GHz < 20 dB

   Dielectric Withstanding Voltage: 500 Vrms

   Voltage Rating: 250 Vrms

   Center Contact Resistance: ≦ 10 mohm

   Outer Contact Resistance: ≦ 3 mohm

   Insulation Resistance: ≧ 1 Gohm
5. **Mechanical Data:**

   Mating Type: Bayonet Coupling

   Recommended Mating Torque: 0.6 lbs ~ 2.5 lbs

   Cable Retention Force: ≧30 lbs
6. **Environmental Specification:**

   Temperature Range: -40℃ ~ 85℃

   Corrosion (Salt Spray): MIL-STD-202, Method 101, Cond.C

   Vibration: MIL-STD-202, Method 204, Cond.A

   Thermal Shock: MIL-STD-202, Method 107, Cond.B

   Mechanical Shock: MIL-STD-202, Method 213, Cond.B