

Revisions

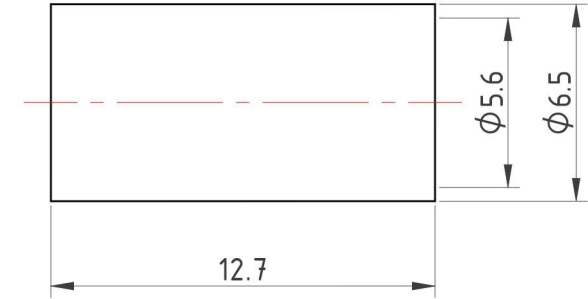
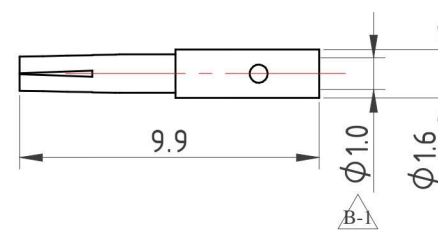
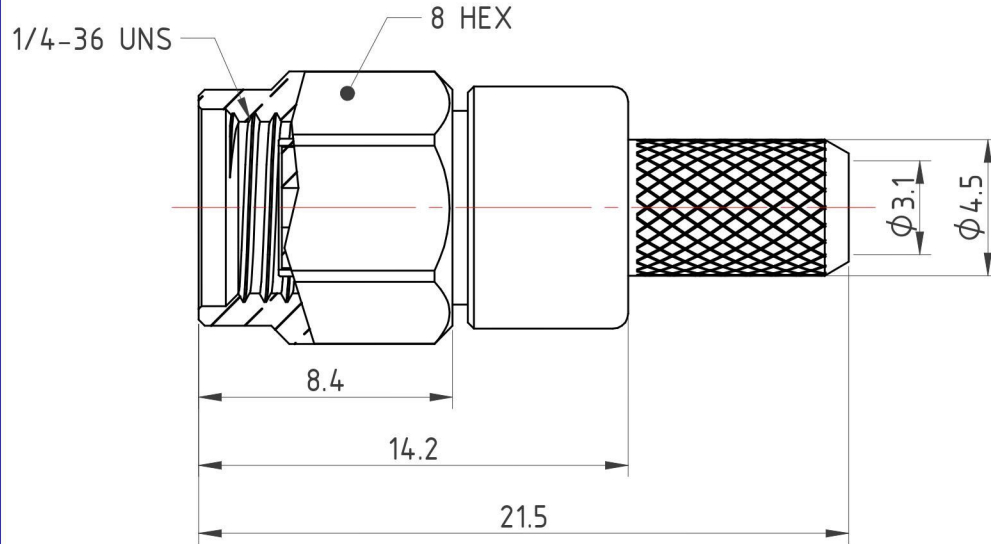
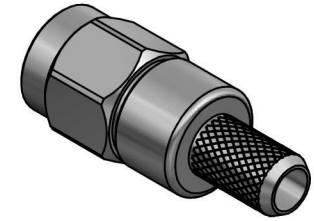
"Note: Revisions B; B-1; B-2..... On Behalf of Official Drawing.
Revisions 1; 2; 3; 4..... On Behalf of Experiment's Drawing."

ISS	Symbol	Explanation	Date
B		Formal Drawing Released.	2006/07/11
B-1		CHE the DIM fin 1.00, 5.8 & 2 to 1.05, 7.5 & 3.5.	2014/04/29

Notes :

- Any Electrical, Mechanical or Environmental Test Per MIL-PRF-39012F Should be Spotlighted, as We May Not Have All Testing Equipment to Cover All of It.
- Single Crimp: Recommended Dimensions Provided for Ferrule.
Dual Crimp: Recommended Dimensions Provided for Ferrule and Center Pin.
Please Advise Single/Dual in Advance to Avoid Any Inconsistency.
- All Metal Materials Are in Compliance with RoHS 2 Directive 2011/65/EU Annex III Section 6 Paragraph.
- Recommended Crimped Hand Tool : **HT-301Y**

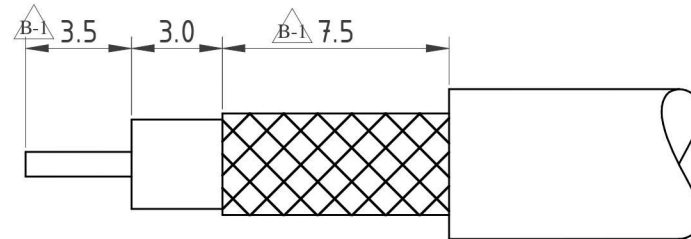
Outline Drawing



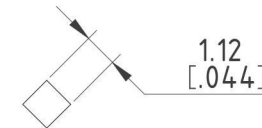
Electrical :

Impedance : 50Ω
Voltage Rating : ≥ 500 V rms MIN. (depending on cable)
Insulator Resistance : ≥ 5 GΩ
Dielectric Withstanding Voltage : 1000 V rms .
Contact Resistance : Center Contact ≤ 3 mΩ .
Outer Contact ≤ 2.5 mΩ .

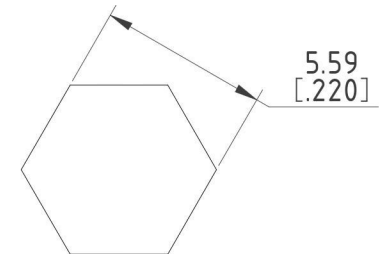
**For Commercial Grade Connector, Please Specify Your
Electrical Parameter as It May Affect the Cost for
Higher Frequency Application.



Recommended Cable Stripping Dimensions



Recommended Crimping
Dimensions for Inner Contact



Recommended Crimping
Dimensions for Ferrule

Mechanical :

Mating : 1/4-36 UNS Screw-on Coupling.
Recommended Mating Torque : 7.1~9.7 lbs
Coupling Nut Retention Force : ≥ 60.7 lbs

Environmental :

Temperature Range : -65°C to 165°C
Corrosion (Salt Spray) : MIL-STD-202, Method 101, Cond. C
Thermal Shock : MIL-STD-202, Method 107, Cond. B
Mechanical : MIL-STD-202, Method 213, Cond. I
Vibration : MIL-STD-202, Method 204, Cond. D

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

- Nickel Plating Thk. : 80 μ"min. (Under Plating)
- Gold Plating Thk. : 2 μ"max. (Over Finish 1)

*RoHS and REACH are fully complied to create a greener planet for future generations.

5	Ferrule	Brass	Finish 1		
4	Inner Contact	P. Bronze	Finish 1/2		
3	Insulator	PTFE	None		
2	Body	Brass	Finish 1		
1	Shell	Brass	Finish 1		
ITEM	Description	Material	Finish	Part Number	QTY

Scale	Abbr.	Date	Rev		DWG.NO.	
NTS	ST	2020/5/8	B-1		Customer P/N:	
Tolerances : .X ±0.2 .XX ±0.1 .XXX ±0.05 Angular : ±1°				All Dimensions in mm(Inch) (Unless Otherwise Specified)	C111.M/RP	
Drawn					Title	
2020/5/8				RP SMA S/T Plug , Dwas Crimp Type for RG58, LMR195, HDF195, URM43, B9907, PSF1/6 Cable		
Checked						
Approved						
2020/5/8						
2020/5/8						
2020/5/8						