

Revisions

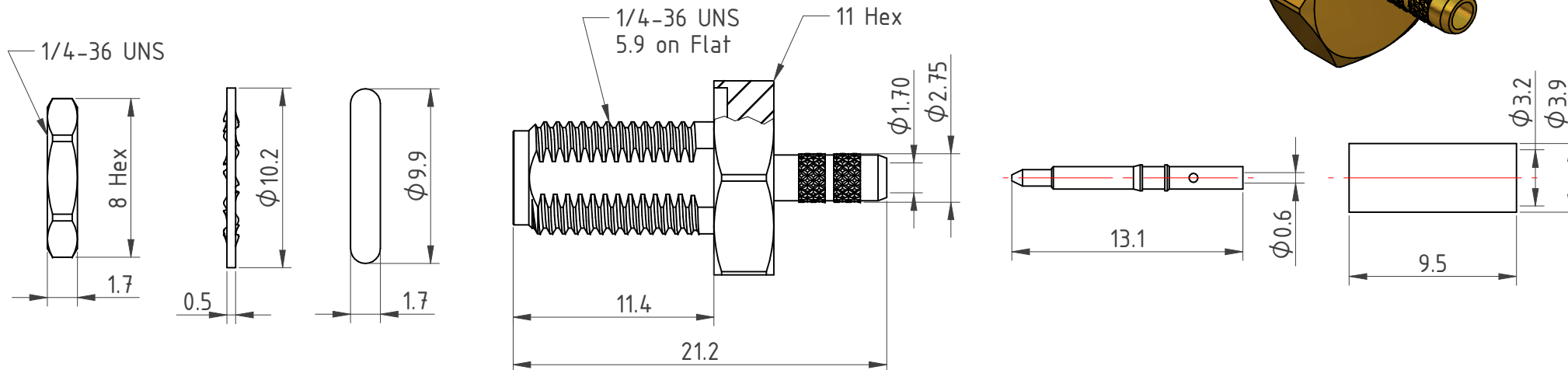
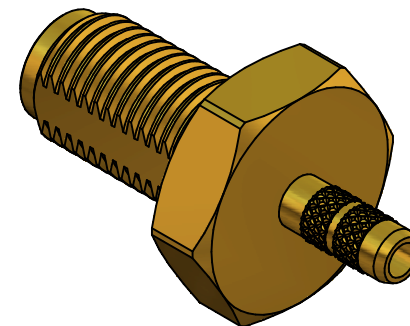
"Note: Revisions B: B-1; B-2..... On Behalf of Official Drawing.
Revisions 1; 2; 3; 4..... On Behalf of Experiment's Drawing."

ISS	Symbol	Description	Date
B	△	Formal Drawing Released.	2017/09/05

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 : for Ferrule P/N - HT-H116N

Outline Drawing



Electrical :

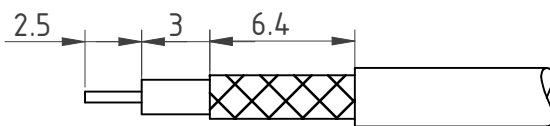
Impedance : 50 Ω
Frequency Range : 0~6 GHz .
Voltage Rating : 250 V rms. (depending on cable)
Insulator Resistance : ≥ 5 GΩ
Dielectric Withstanding Voltage : 1000 V rms .
Contact Resistance : Center Contact ≤ 3 mΩ .
Outer Contact ≤ 2.5 mΩ .

Mechanical :

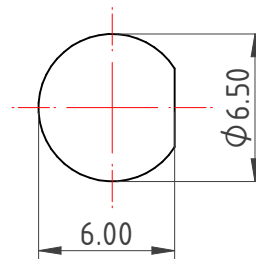
Mating : 1/4-36 UNS Screw-on Coupling.
Recommended Mating Torque : 7.1~9.7 lbs
Coupling Nut Retention Force : ≥ 60.7 lbs

Environmental :

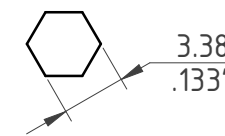
Temperature Range : -65°C to 165°C
Corrosion (Salt Spray) : MIL-STD-202, Method 101, Cond. B
Thermal Shock : MIL-STD-202, Method 107, Cond. B
Mechanical : MIL-STD-202, Method 213, Cond. I
Vibration : MIL-STD-202, Method 204, Cond. D



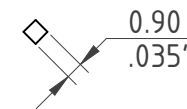
Recommended Cable Stripping Dimensions



Recommended Mounting Hole



Recommended Crimping Dimensions for Ferrule



Recommended Crimping Dimensions for Inner Contact

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

- Nickel Plating Thk. : 50 μ"min. (Under Plating)
- Gold Plating Thk. : 2 μ"max. (Over Finish 1)

7	Nut	Brass	Finish 1/2		
6	Lock Washer	Brass	Finish 1/2		
5	O-Ring	Si-Rubber	Red		
4	Ferrule	Brass	Finish 1/2		
3	Inner Contact	Brass	Finish 1/2		
2	Insulator	PTFE	None		
1	Body	Brass	Finish 1/2		
ITEM	Description	Material	Finish	Part Number	QTY

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

Scale	Abbr.	Date	Rev
NTS	ST	2017/9/5	B
Tolerances :		Proprietary Note	
.X ±0.2		This document contains information proprietary to S-Conn, which is either copyrighted, or patent applied for, and / or protected by trade secret laws.	
.XX ±0.1		This document or parts thereof, may not be used, disclosed or reproduced in any form by any method, or for any purpose, without the written permission of S-Conn, Taiwan.	
.XXX ±0.05			
Angular :			
±1°			
Drawn	Checked	Approved	
Mark	Mark	H. Sun	
2017/9/5	2017/9/5	2017/9/5	



DWG.NO. **RS212AR0G01-M-5**

Customer P/N:

Title **RP SMA B/H-O Jack, Dual Crimp Type**
for RG174, 188, 316, LMR100, B7805A, URM95 Cable

S-Conn Enterprise Co., Ltd.

