

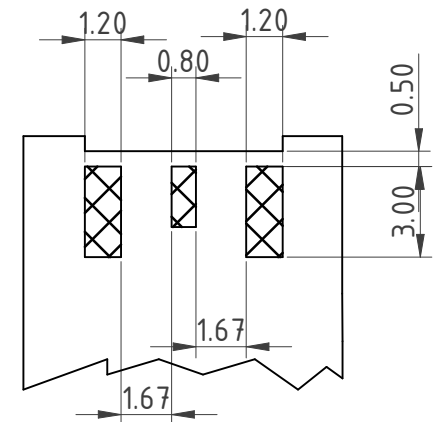
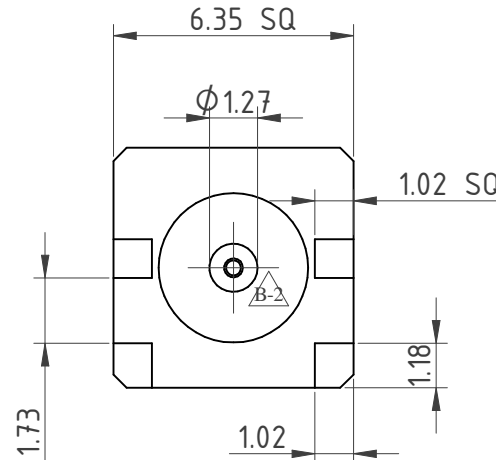
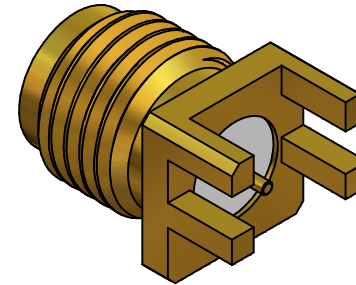
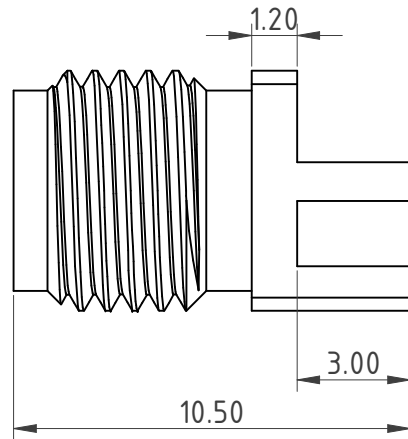
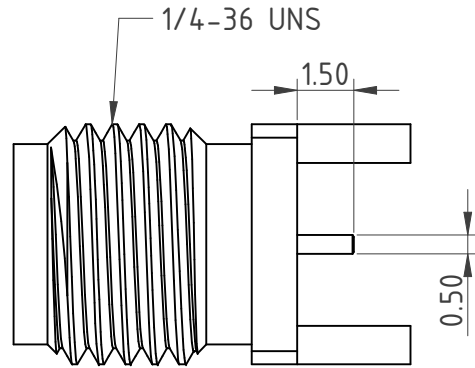
# Revisions

"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		CHE to New Drawing Frame & PN System	2006/07/10
B-1		CHE Inner Contact Profile.	2017/10/31

## 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.
- All Metal Materials Are in Compliance with RoHS 2 Directive 2011/65/EU Annex III Section 6 Paragraph.



Recommended PCB Soldering Pattern

## Electrical :

Impedance : 50 Ω  
Voltage Rating : 500 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 .

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

## 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

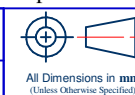
## Finish [Unit of Plating Thickness Is in Micro Inch(μ)]

- Copper Strike Plating Thk. : 30 μ" min. (Under Plating)
- Nickel Plating Thk. : 120 μ" min. (Over Finish 1)
- Gold Plating Thk. : 20μ" min. (Over Finish 2)
- Gold Plating Thk. : 2 μ" max. (Over Finish 2)

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

3	Inner Contact	BeCu	Finish 1/2/3		
2	Insulator	PTFE	None		
1	Body	Brass	Finish 1/2/4		
ITEM	Description	Material	Finish	Part Number	QTY

Scale	Abbr.	Date	Rev
NTS	ST	2019/9/16	B-1
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	G. Sun	
2019/9/16	2019/9/16	2019/9/16	



All Dimensions in mm (Unless Otherwise Specified)



DWG.NO.
S251L1G39-1.73
Customer P/N:

Title
SMA S/T Jack , End Launch Type
<b>S-Conn Enterprise Co., Ltd.</b>

