

Recommended PCB Layout

**Electrical :**

Impedance : 50 ohm

Voltage Rating :  $\geq 500$  V rms MIN. (depending on cable)Insulator Resistance :  $\geq 5$  G $\Omega$ 

Dielectric Withstanding Voltage : 1000 V rms .

Contact Resistance : Center Contact  $\leq 3$  m $\Omega$ .Outer Contact  $\leq 2.5$  m $\Omega$  .

Type	Dimensions						
	A	B	C	D	a	b	d
<b>A0</b>	<b>1.27</b>	<b>1.02</b>	<b>7.0</b>	<b>5.08</b>	<b>1.50</b>	<b>1.70</b>	<b>5.08</b>

**Mechanical :**

Mating : 1/4-36 UNS Screw-on Coupling.

Recommended Mating Torque : 7.1~9.7 lbs

Coupling Nut Retention Force :  $\geq 60.7$  lbs**Notes :**

1. The overall contour may be slightly changed per terminating with different cable and we reserve right to change it without notice.
2. Any changes for interface dimensions are strictly prohibited.
3. The Material and plating are in various options per customer's request.
4. A complete information for connectors is available upon request.

**Environmental :**


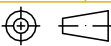

Temperature Range : -65°C to 165°C

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

Scale	Abbr.	Date	Rev.	<div>Proprietary Note</div> <div>This document contains information proprietary to S-Conn, which is either copyrighted, or patent applied for, and / or protected by trade secret laws.</div> <div>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.</div>	DWG.NO.	S105		
NTS	ST	2019/06/25	B		TITLE			
Tolerances :				Customer P/N: Nil	SMA S/T Plug, PCB Mount Type			
.X ±0.2 .XX ±0.1 .XXX ±0.05		All Dimensions in mm (Unless Otherwise Specified)						
Drawn	Checked	Approved		<div>S-Conn Enterprise Co., Ltd.</div>				 <div>Let's Connect The World!</div>
Mark	Ryan	G. Sun						
2019/06/25	2019/06/25	2019/06/25						