



Component	Material	Material Std compliance	Finish		Finish Std compliance
Body	Beryllium Copper	ASTM B-196 UNS No. C17300 Temper TD04(H)	Gold Plate Nickel underplate	50 $\mu$ IN - 100 $\mu$ IN [1.27 $\mu$ M - 2.54 $\mu$ M]	Gold per ASTM B-488, Code C, Type II, Class 1.27
				50 $\mu$ IN - 100 $\mu$ IN [1.27 $\mu$ M - 2.54 $\mu$ M]	Nickel per SAE-AMS-QQ-N-290, Class I
Insulator	PTFE	ASTM D-1710	---	---	---
Contact	Beryllium Copper	ASTM B-196 UNS No. C17300 Temper TD04(H)	Gold Plate Nickel underplate	50 $\mu$ IN - 100 $\mu$ IN [1.27 $\mu$ M - 2.54 $\mu$ M]	Gold per ASTM B-488, Code C, Type II, Class 1.27
				50 $\mu$ IN - 100 $\mu$ IN [1.27 $\mu$ M - 2.54 $\mu$ M]	Nickel per SAE-AMS-QQ-N-290, Class I

**Electrical Specification:**  
IMPEDANCE, 50.0 Ohms NOMINAL.  
FREQUENCY, 65.0 GHz.

**Mechanical:**  
Operating temperature range: -55° C to +165° C.

- 1 Interface definition, SMP3 male is designed and manufactured IAW MIL-STD-348 and will mate with SMP3 female connector designed and manufactured IAW MIL-STD-348.
- 2 Mounting Patterns, Customer specific factors including transmission line topology, substrate thickness and material, board-stackup, operating frequency, etc. must be submitted to HUBER+SUHNER Astrolab for analysis prior to release of final performance levels and mounting configuration.

All dimensions are in Inches.  
All dimensions parenthesis are in millimeters [mm].

Type: 91_SMP3-50-0-FD1		All dimensions after treatment in millimeter (mm)		
Assembly drawing	Released date: 10.11.2022	alternative ID 29174BM-2-001	3D-ID PRO-01144641 A	Sheet: 1 / 1
description		ID		Release
HUBER+SUHNER		SMP3 Full Detent Edge Mount		DOU-01147354 C