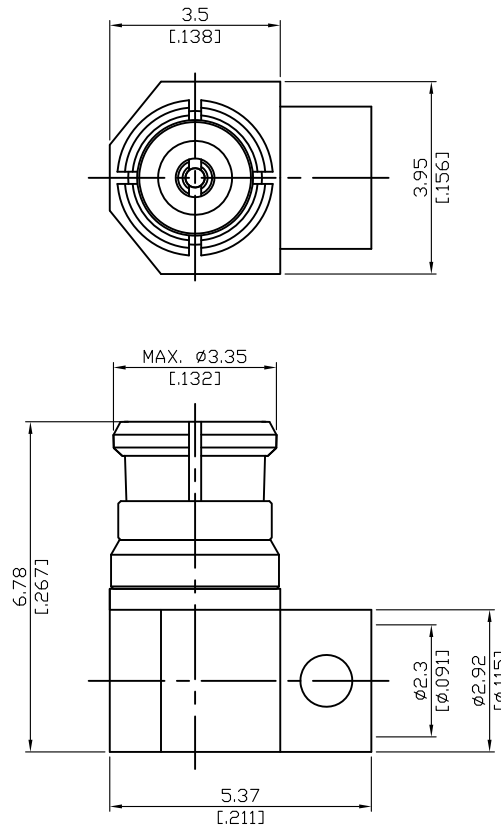


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<http://www.100y.com.tw>

SMP8300-9085

SMP Jack Solder Right Angle For RG405;  
18GHz VSWR 1.2; 26.5GHz VSWR 1.35

50Ω



Parts	Material	Plating ( Micro-inch )
Cover	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Renber Ring	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Weight: 0.45 g  
 Suitable Cables: Semi-rigid .085

## SMP

## SMP8300-9085

## Interface

MIL-STD-348B

## Electrical Data

Impedance	50Ω
Frequency range	DC to 26.5GHz
VSWR	≤ 1.2 (18GHz); ≤ 1.35 (26.5GHz)
Insertion loss	≤ .06 x √f(GHz) dB
Insulation resistance	≥ 5000 MΩ
Contact resistance inner conductor	≤ 6mΩ
Contact resistance outer conductor	≤ 2mΩ
Dielectric withstanding voltage (at sea level)	500
Working Voltage (at sea level)	335
RF-Leakage	≥ 80dB (3GHz); ≥ 65dB (3~26.5GHz)

## Mechanical Data

	Full Detent	Limited Detent	Smooth bore & catchers mit	
Engagement force	≤ 15	≤ 10	≤ 2	lbs
Disengagement force	≥ 5	≥ 2	≥ 0.5	lbs
Durability (mating)	≥ 100	≥ 500	≥ 1000	
Axial misalignment	+ 0.00 / -0.25 (+.000 / -.010)			
Radial misalignment	±0.25 (0.010),min			

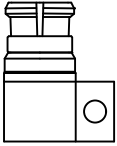

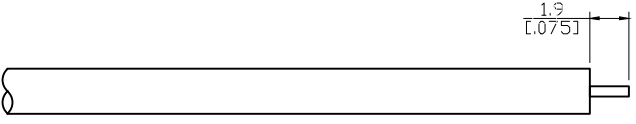
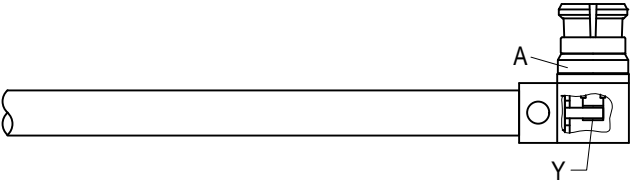
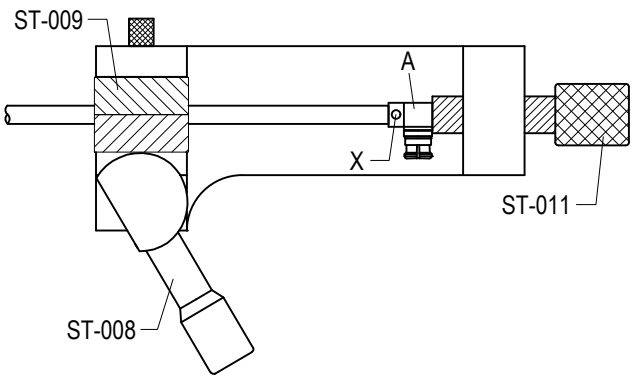
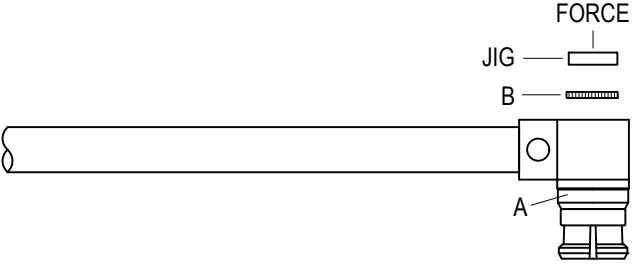

## Environmental Data

Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Moisture resistance	MIL-STD-202, Method 106
Corrosion	MIL-STD-202, Method 101, Condition B
RoHS	Compliant

## Tooling

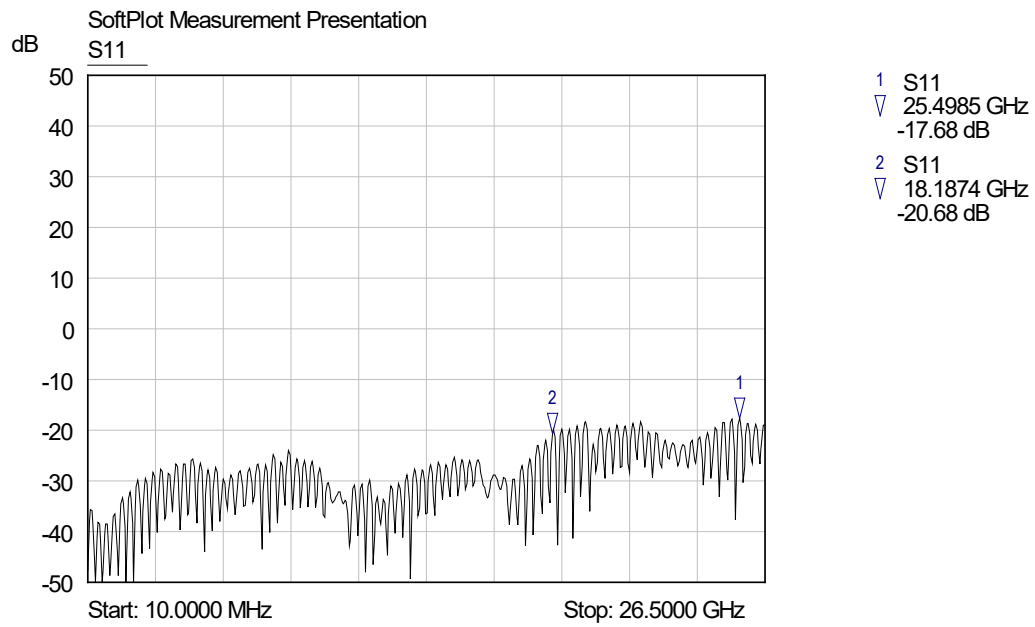
Locator tool	ST-011
Soldering fixture	ST-008
Insert for .085semi-rigid cable	ST-009

# CABLE ASSEMBLY INSTRUCTION

SMP8300-9085	DATE	2018/10/18	REV	A
<p>A</p>  <p>BODY</p>	<p>B</p>  <p>COVER</p>			
DIAGRAM	ASSEMBLY INSTRUCTION			
	<p>Step 1: STRIP AS SHOWN.</p>			
	<p>Step 2: SLIDE CENTER CONDUCTOR ON THE CONTACT PIN OF CONNECTOR " A " AND SOLDER IN " Y ".</p>			
	<p>Step 3: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-009 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ".</p>			
	<p>Step 4: PRESS ON THE TOP OF " B " WITH JIGS.</p>			
APPROVED	CHECKED		DRAWING	
				

# SMP8300-9085

S11



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