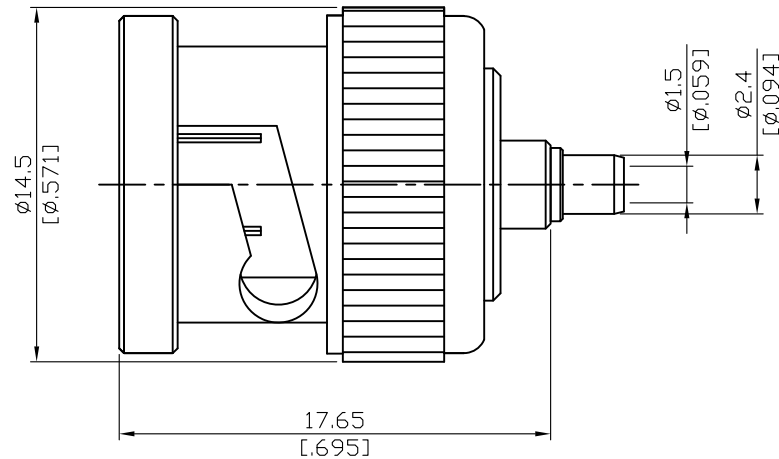


BNC3100PF-1.37

BNC Plug Press Fit For 1.37mm
1GHz VSWR 1.2 & 2.5GHz VSWR 1.3

50Ω



Parts	Material	Plating (Micro-inch)
Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Spring	SK5	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicone	
Contact Pin	P. Bronze	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Small Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Suitable Cables: 1.37mm

This part number complies with RoHS.

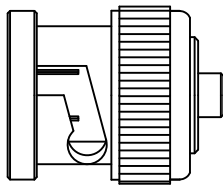
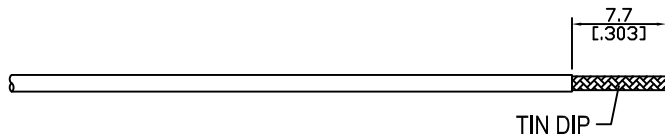
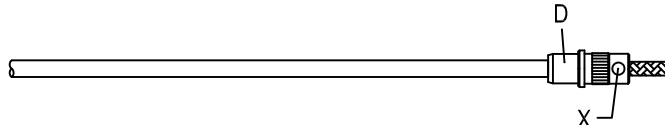
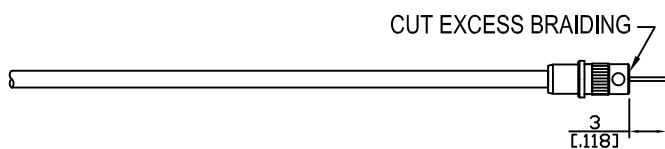
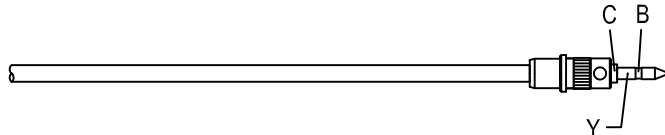
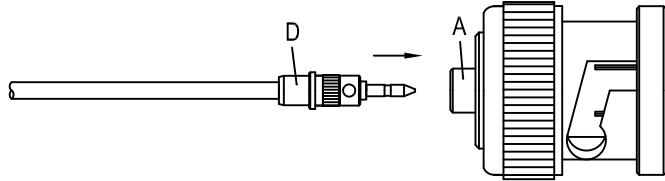
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

BNC		BNC3100PF-1.37	
Interface		MIL-STD-348B	
Electrical Data		Impedance 50Ω Frequency range DC to 2.5GHz VSWR ≤ 1.2 (1GHz); ≤ 1.3 (2.5GHz) Insertion loss $\leq 0.1 \times \sqrt{f(\text{GHz})}\text{dB}$ Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 1.5\text{m}\Omega$ Contact resistance outer conductor $\leq 1\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 1500 V rms Working voltage (at sea level) 500 V rms	
Mechanical Data		Recommended coupling nut torque 0.6 to 2.5 inch lbs Coupling nut retention force ≥ 101.2 lbs Contact captivation-axial ≥ 6.1 lbs Durability (mating) ≥ 500	
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		Crimping tool CRT-1 or CRT-2 Crimp insert INSERT-A	

Notice: JYEBAO reserves the right to make modifications deemed appropriate.

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

BNC3100PF-1.37		DATE	2016/04/11	REV	—
A		B	C	D	
					
BODY		CONTACT PIN		INSULATOR	
					
				FERRULE	
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SLIDE SOLDER FERRULE " D " OVER THE CABLE. Step 3: SOLDER IN " X ".		
			Step 4: CUT AWAY ANY EXCESS TEFLON STICKING OUT OF THE SOLDER FERRULE. Step 5: STRIP AS SHOWN.		
			Step 6: SLIDE PREPARED CABLE INTO INSULATOR " C " . Step 7: PUT CONTACT PIN " B " ON CENTER CONDUCTOR AND CRIMP IN " Y " . (USE SQUARE 0.7mm/0.028inch SECTION OF INSERT-A)		
			Step 8: USE PRESS MACHINE TO INSERT BARREL " D " INTO THE CONNECTOR BODY " A ".		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

BNC3100PF-1.37

S11

