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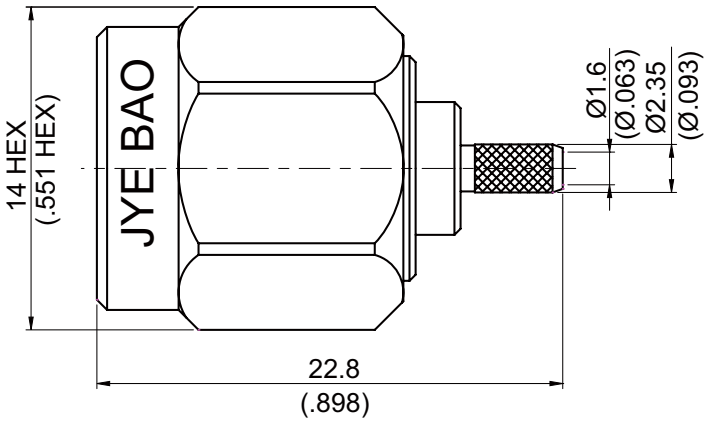
TNC3100PA-0316	**TNC Plug Crimp For RG174,RG188,RG316 3GHz VSWR1.2**	**50Ω**



NOTE: Hex coupling nut.

Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Small Pin	Brass	Gold 4 Over Nickel Phosphorus Alloy 80 Over Copper 20
Contact Pin	Phosphor Bronze	Gold 4 Over Nickel Phosphorus Alloy 80 Over Copper 20
Retainer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicon	
Insulator	Teflon	
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Suitable Cables:RG174,RG188,RG316,RG316-E,RG316-FEP

This part number complies with RoHS.

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TNC	TNC3100PA-0316

Interface

MIL-STD-348B

Electrical Data

Impedance	50Ω
Frequency range	DC to 3GHz
VSWR	≦1.2 (DC to 3GHz)
Insertion loss	≦0.1 x $\sqrt{f(GHz)}$ dB
Insulation resistance	≧5000MΩ
Contact resistance inner conductor	≦1.5mΩ
Contact resistance outer conductor	≦1mΩ
Dielectric withstanding voltage (at sea level)	1500 V rms
Working voltage (at sea level)	500 V rms

Mechanical Data

Recommended coupling nut torque	4.1 to 6.1 inch lbs
Coupling proof torque	15 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

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CABLE ASSEMBLY INSTRUCTION

TNC3100PA-0316	JYE BAO CO., LTD.

TNC3100PA-0316	DATE	2014/04/29	REV	—

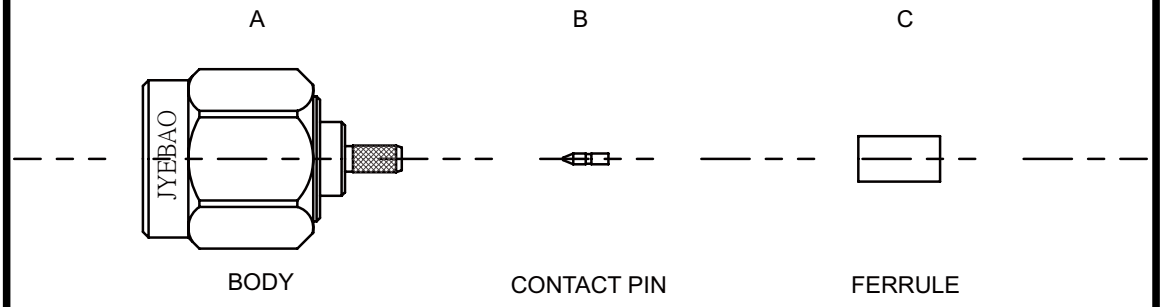
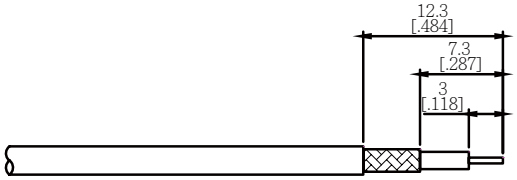
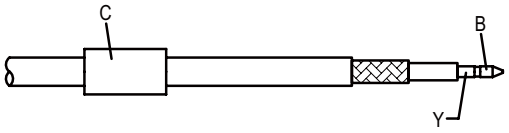
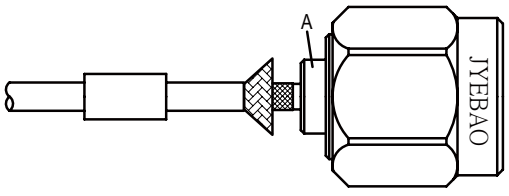
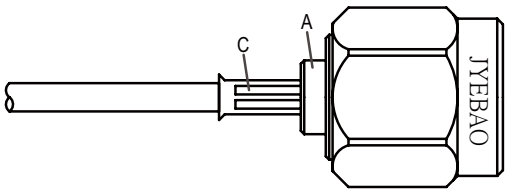


DIAGRAM	ASSEMBLY INSTRUCTION
	Step 1: STRIP AS SHOWN.
	Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND CRIMP IN " Y ". (USE SQUARE 0.7mm/0.028inch SECTION OF INSERT-A IF CRIMPED)
	Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.
	Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 3.3mm/0.130inch HEX SECTION OF INSERT-A)

This part number complies with RoHS.

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