JYEBAO

MD3100SB-0316	Microdot crimp plug for RG316 2GHz VSWR 1.2	50Ω

Ø6.1 [Ø.240]
Ø1.6 [Ø.063]
Ø2.35 [Ø.093]
Ø3.95 [Ø.156]
10 [.394]
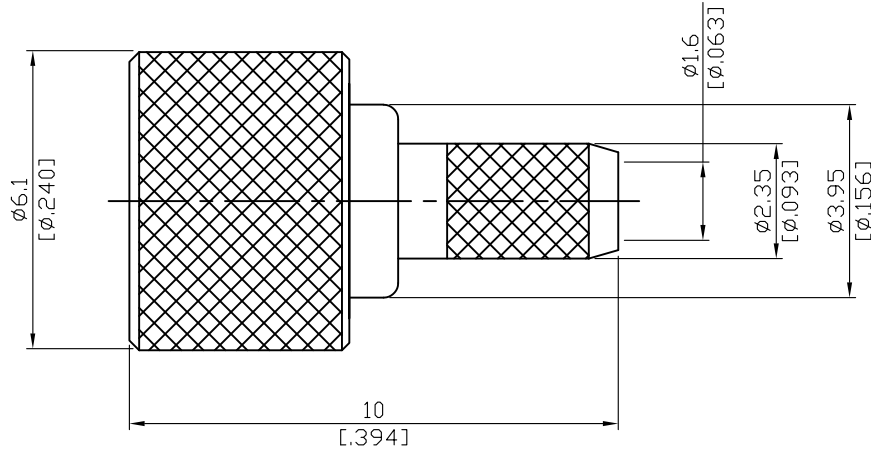
Parts	Material	Plating (Micro-inch)
Coupling Nut	Stainless Steel	Passivated
Body	Stainless Steel	Passivated
Insulator	Teflon	
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Ferrule	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

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

This part number complies with RoHS.
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

Description	MD3100SB-0316

Interface compatible with

MALCO microdot

Electrical Data

Impedance	50Ω
Frequency Range	DC to 2GHz
VSWR	≦1.2 (DC to 2GHz)
Insulation Resistance	≧5000MΩ
Contact Resistance Inner Conductor	≦3mΩ
Contact Resistance Outer Conductor	≦3mΩ
Dielectric Withstanding Voltage (at sea level)	1000 V rms, 50Hz
Contact current (DC)	≦3 A typ

Mechanical Data

Durability (mating)	≧500

Environmental Data

Temperature Range	-65°C to +125°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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JYE BAO CO., LTD.
CABLE ASSEMBLY RECOMMENDATION

MD3100SB-0316		DATE	2021/05/14	REV	—
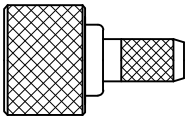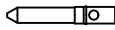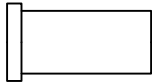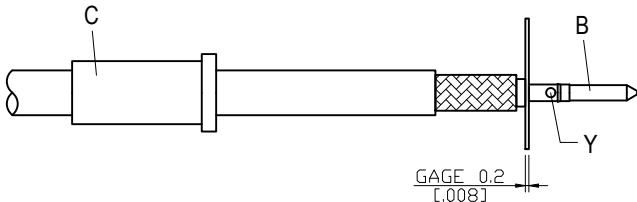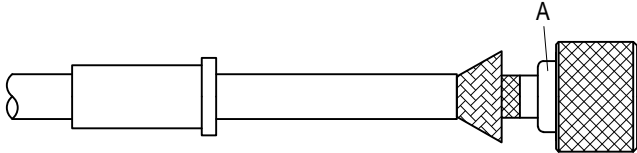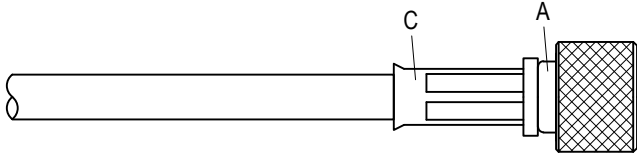
A	B	C
BODY	CONTACT PIN	FERRULE

DIAGRAM	ASSEMBLY INSTRUCTION
7 [.276] / 2.5 [.098] / 2 [.079]	Step 1: STRIP AS SHOWN.
C / B / Y / GAGE 0.2 [.008]	Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ". (USE SQUARE 0.7mm/0.028inch SECTION OF INSERT-A IF CRIMPED)
A	Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.
C / A	Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 3.0mm/0.118inch HEX SECTION OF INSERT-A)

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APPROVED	CHECKED	DRAWING	Albert