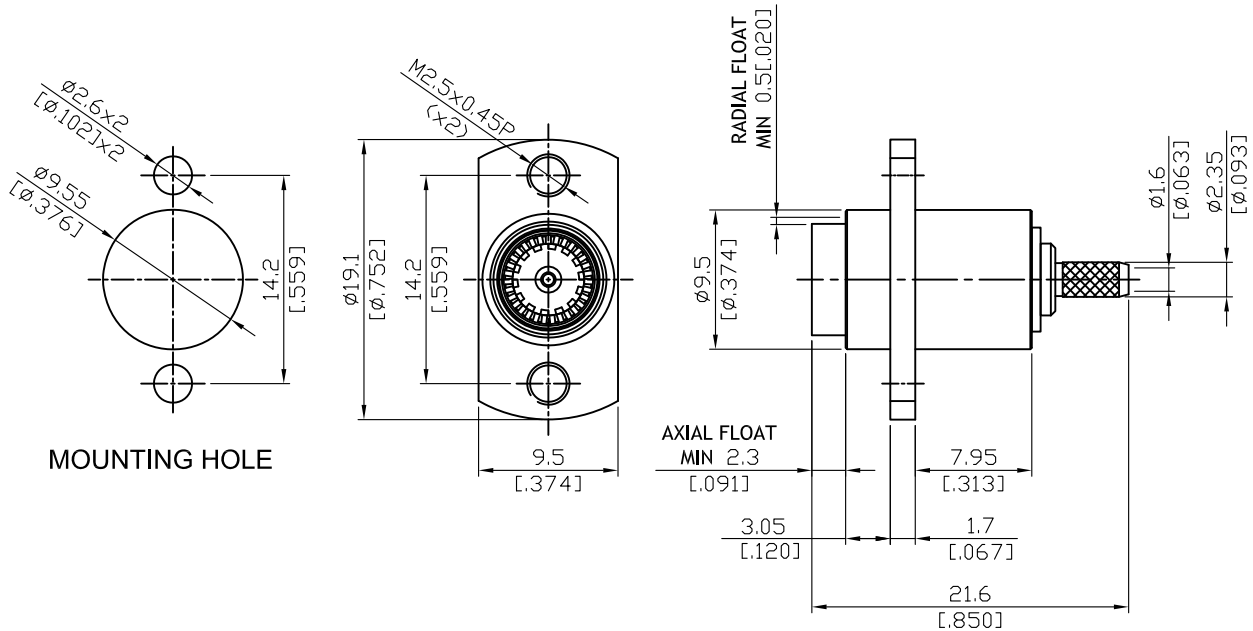


BMA8162A-0316W/M2.5

BMA Jack Crimp $\phi 19.1\text{mm}$ 2 Hole Flange (Threaded M2.5x0.45P)
For RG174, RG188, RG316; 12.4GHz VSWR 1.2

50 Ω



Parts	Material	Plating (Micro-inch)
Ferrule	Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
C-Ring	Stainless Steel	Passivated
Disk Spring	Stainless Steel	
Washer	Stainless Steel	
Spring	Stainless Steel	
Solder Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Spring Washer	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Spring-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	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

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

This part number complies with RoHS.

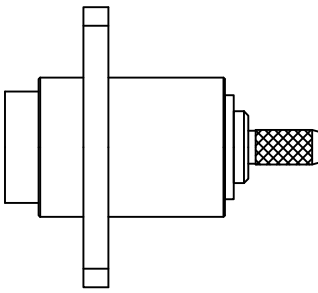
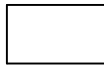
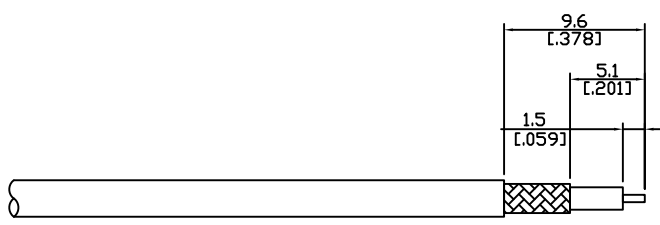
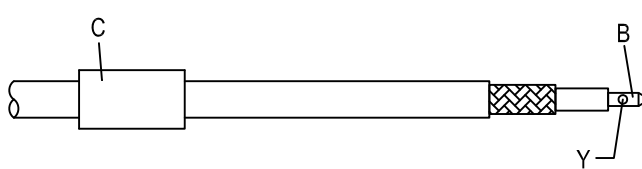
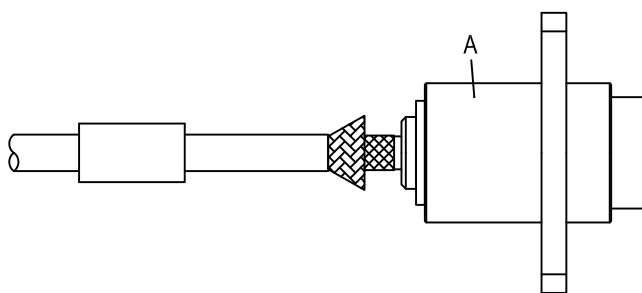
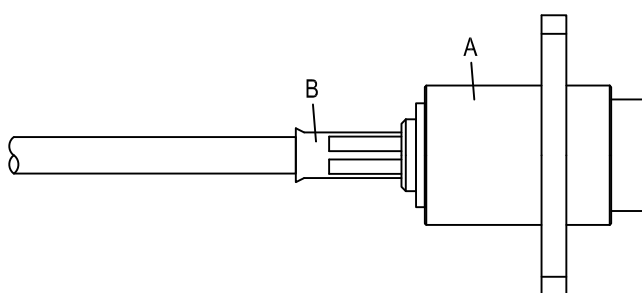
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

BMA		BMA8162A-0316W/M2.5	
Interface		MIL-STD-348B	
Electrical Data		Impedance 50Ω Frequency range DC to 12.4GHz VSWR ≤ 1.2 (DC to 12.4GHz) Insertion loss $\leq 0.03 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 2\text{m}\Omega$ Contact resistance outer conductor $\leq 2\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 1000 V rms Working voltage (at sea level) 670 V rms	
Mechanical Data		Engagement force ≤ 3 lbs Disengagement force ≤ 1.5 lbs Contact captivation-axial ≥ 6.1 lbs Durability (mating) ≥ 1000	
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

BMA8162A-0316W/M2.5		DATE	2019/04/18	REV	-
A  BODY B  SOLDER PIN C  FERRULE					
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ". (USE SQUARE 0.70mm/0.028inch SECTION OF INSERT-A IF CRIMPED)		
			Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.		
			Step 5: SLIDE FERRULE " B " 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.					
APPROVED		CHECKED		DRAWING	
				Albert	

BMA8162A-0316W/M2.5

S11

