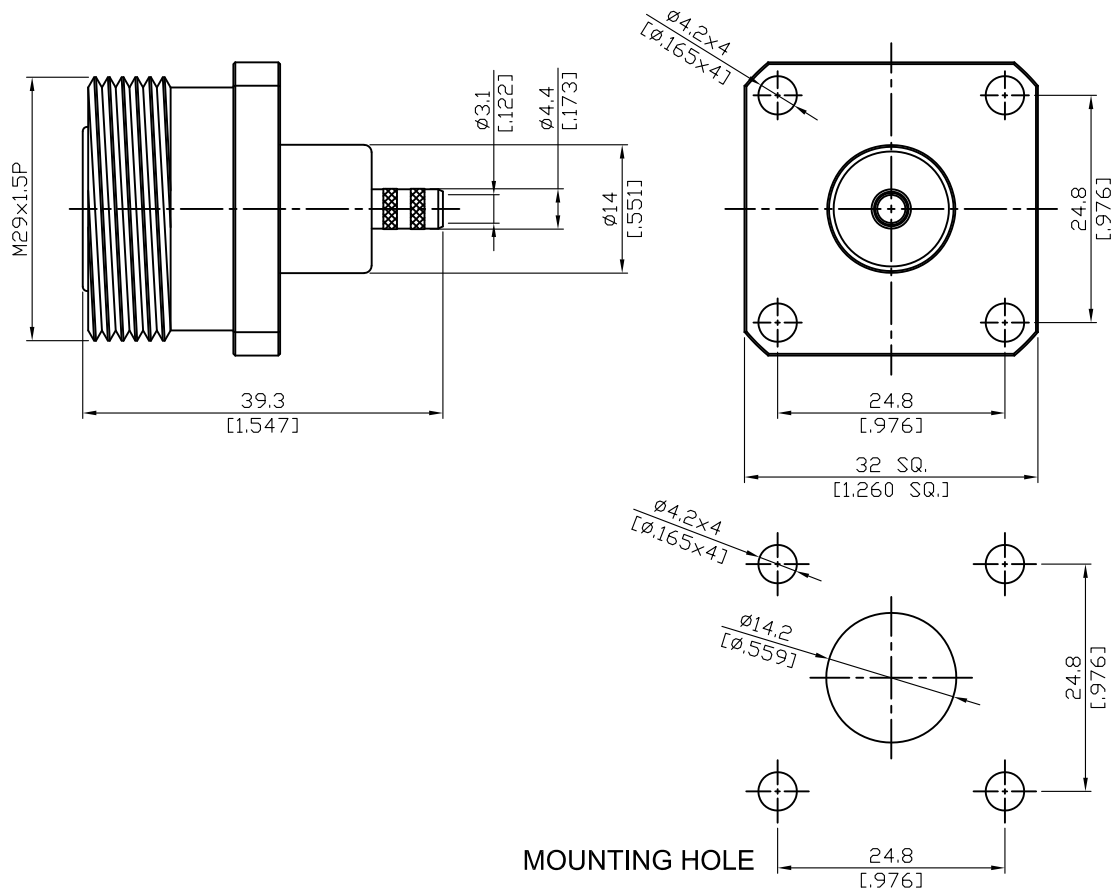


7/16-8146A-0142

7/16 Jack Crimp 4 Hole 32mm SQ Flange
For RG142,RG400; 7GHz VSWR 1.3

50Ω



Parts	Material	Plating (Micro-inch)
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Ferrule	Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Solder Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Suitable Cables: RG142, RG400

This part number complies with RoHS.

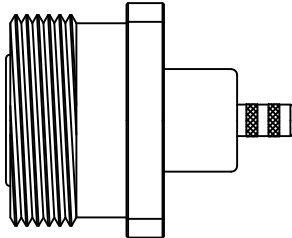
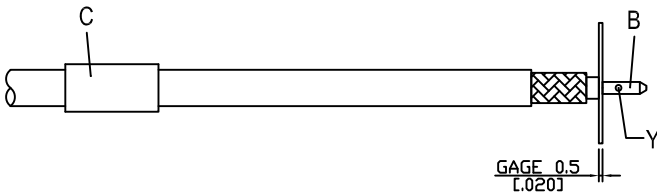
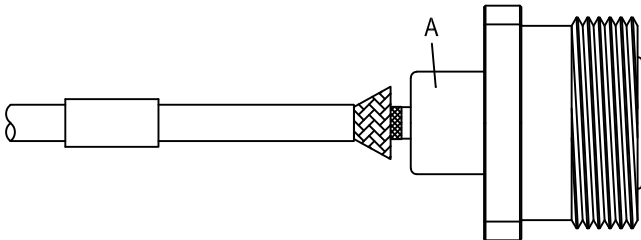
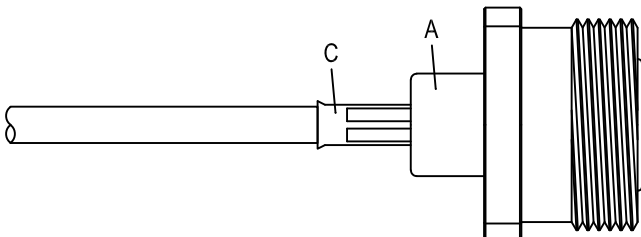
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

7/16	7/16-8146A-0142
Interface IEC 60169-4	
Electrical Data Impedance 50Ω Frequency range DC to 7GHz VSWR ≤ 1.3 (DC to 7GHz) Insertion loss $\leq 0.05\text{dB}$ Insulation resistance $\geq 10000\text{M}\Omega$ Contact resistance inner conductor $\leq 0.4\text{m}\Omega$ Contact resistance outer conductor $\leq 1.5\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 4000 V rms Working Voltage (at sea level) 2700 V rms Rf leakage $\geq 128\text{dB}$ to 1GHz	
Mechanical Data Recommended coupling nut torque 260 inch lbs Coupling proof torque 310 inch lbs Contact captivation-axial ≥ 45 lbs Durability (mating) ≥ 500	
Environmental Data Temperature range -65°C to +165°C Thermal shock MIL-STD-202, Method107, Condition B Moisture resistance MIL-STD-202, Method106 Corrosion MIL-STD-202, Method101, Condition B RoHS Compliant	
Tooling Crimping tool CRT-1or CRT-2 Crimp insert INSERT-B Soldering gauge ST-0.5	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

7/16-8146A-0142		DATE	2018/07/30	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 0.5 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".		
			Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.		
			Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 5.5mm/0.217inch HEX SECTION OF INSERT-B)		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

7/16-8146A-0142

