

## **General Description**

Delta QMA jacks are connectors with size and performance similar to SMA connectors, but with a snap-on interface for quick mating and unmating, and brass body construction for economy. Designed to mate with all QMA plugs, they offer good electrical performance up to 6 GHz.

The PressMount mounting configuration (see below) allows QMA receptacles to be mounted securely in a single through hole, with center-to-center spacing as little as .325 inch. New types are being added to our product line, so please call with your requirements for other QMA configurations.

# QMA Jack Specifications\*

## **Electrical:**

Nominal Impedance: 50 ohms. Frequency Range: DC-6 GHz.

Voltage Rating: 335 volts RMS (dependent on cable). **Dielectric Withstanding Voltage:** 1,000 volts RMS.

**Insulation Resistance:** 5,000 megohms.

**VSWR:** DC-3 GHz: 1.06:1 max; 3-6 GHz: 1.12:1 max.

## **Materials/Finishes:**

Insulators: Teflon per ASTM D1710.

Female Contacts: Beryllium Copper per ASTM B196.

Contact Plating: Gold per MIL-G-45204.

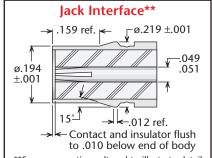
Gaskets: Silicone rubber per ZZ-R-765, Class II, Grade 50.

Other Metal Parts: Brass per ASTM B16, gold plated per MIL-G-45204. \*These specifications are typical and may not apply to all connectors. Detailed specifications for individual connectors are available on request.

#### **Mechanical:**

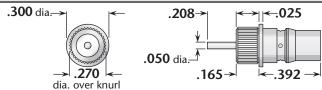
Durability: 100 mating cycles. Force to Engage: 26 N.

Force to Disengage: 20 N.



\*\*Some proportions altered to illustrate detail. Dimensions in inches.

#### QMA PressMount Receptacle-**Post Contact**



Minimum Panel Thickness	Mounting Hole Diameter	Plating		Delta P/N
		Body	Contact	Deita P/N
.100	.267 ±.001	Gold*	Gold (C)	4220-000-G911

# Panel Jack Receptacles

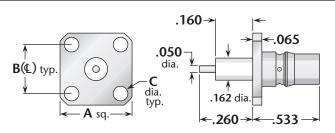


Figure 1 (Square flange)

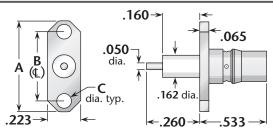


Figure 2 (Two-hole flange)

Figure	Dimensions		Mounting	Plating		Delta P/N	
rigure	Α	В	C	Figure	Body	Contact	Deita P/N
1	.500	.340	.102	05	Gold*	Gold (C)	4258-000-G051-9
2	.625	.481	.102	92	Gold*	Gold (C)	4258-000-G921-6

 $^{\star}$  Also available with Albaloy-plated body—change **G** in Delta part number to **Q**. (C) in contact plating column indicates captive contact. • See page 203 for mounting dimensions.