

Coaxial connector conforming to MIL-STD-348A standard.

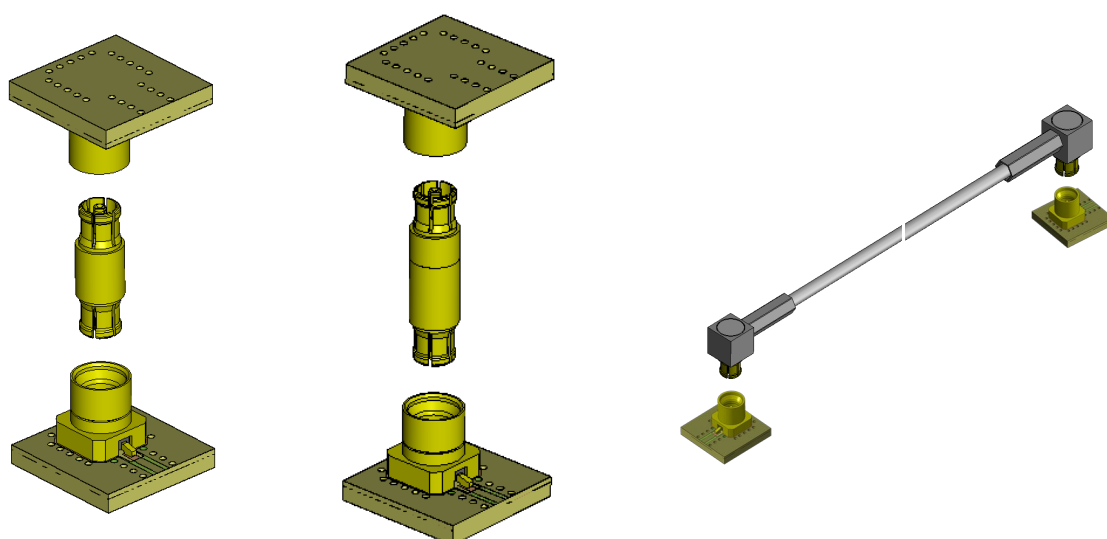
CONNECTOR

MB-0376-1

Sep.2021

CP08 series

RoHS compliant

Board-to-board
type

Cable type

CP08 series is a coaxial connector for base station applications developed in board-to-board and cable style connections. The connector provides excellent high frequency characteristics while mechanically minimizing insertion force to improve mating operations.

Mobile base stations, measurement and inspection equipment, and other various industrial applications.

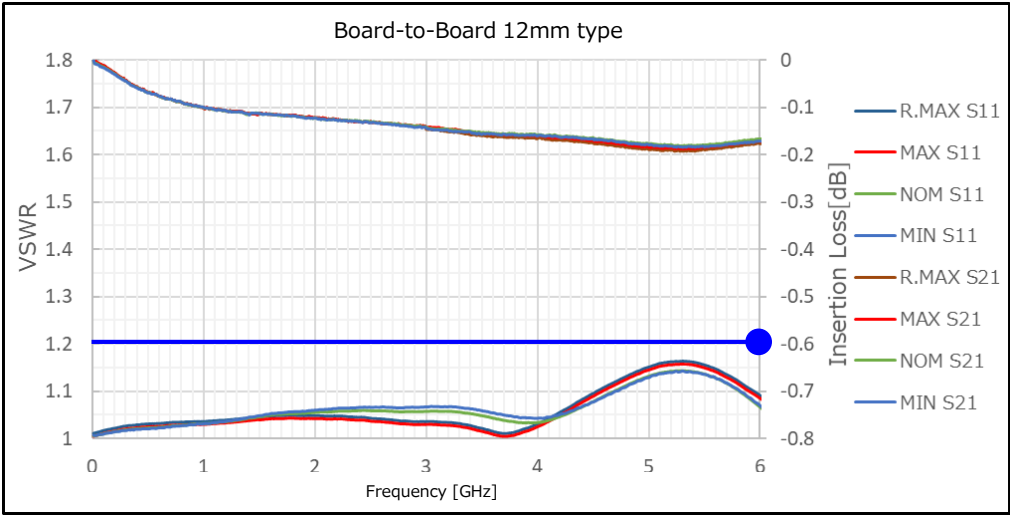
Features

- Complies with MIL-STD-348A standard.
- Board-to-board type: Three-piece construction with a floating function.
- Cable type: The push to lock system makes mating and unmating easy.
- Guaranteed high-frequency characteristics up to DC to 6GHz while within floating tolerance.
(Axial direction: $\pm 0.125\text{mm}$, horizontal direction: MAX0.25mm)

General Specifications

Impedance Characteristic	50 Ω
Applicable frequency	DC to 6 GHz
Voltage Standing Wave Ratio	<1.2
Contact resistance (When the three pieces are connected)	Center Conductor < 12mΩ Outer conductor < 4mΩ
Operating Temperature	-55 to +85 deg C

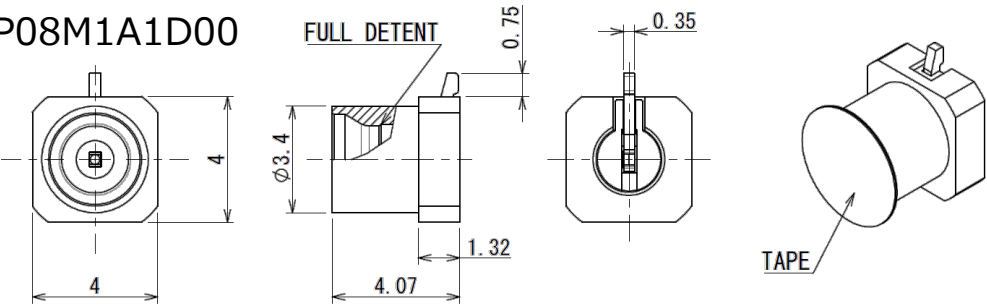
SI Characteristics(DC to 6GHz)



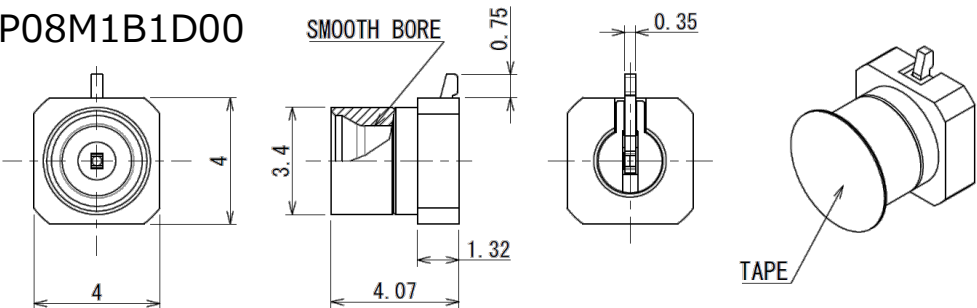
Outer Dimensions

Receptacle

•CP08M1A1D00



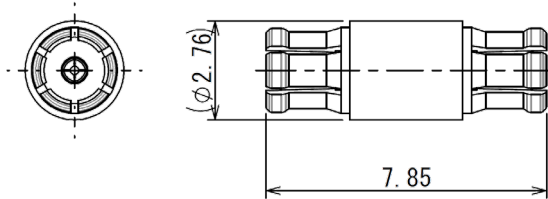
•CP08M1B1D00



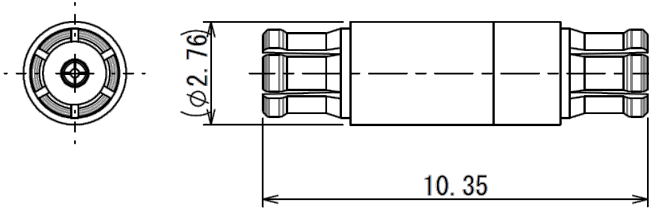
Unit:mm

Jack Adapter

- CP08CP08F01
(Mating height 12mm)

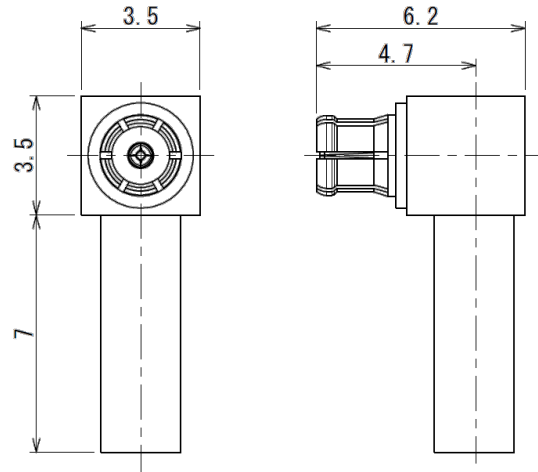


- CP08CP08F02
(Mating height 14.5mm)



Right Angle Jacket

- CP08G101D28(0.8D-2V)



Unit:mm

Drawing No.

Type	Part Number	Drawing No.	product specifications
Receptacle with lock	CP08M1A1D00R2000	SJ121523	JACS-20226
Receptacle without lock	CP08M1B1D00R2000	SJ121524	JACS-20226
Jack Adapter(12mm)	CP08CP08F01	SJ121525	JACS-20226
Jack Adapter(14.5mm)	CP08CP08F02	SJ122781	JACS-20226
Right Angle Jacket	CP08G101D28	SJ123118	JACS-20231

For information about the tool, please contact us.

Notice:

1. The values specified in this brochure are only for reference. The products and their specifications are subject to change without notice. Contact our sales staff for further information before considering or ordering any of our products.
For purchase, a product specification must be agreed upon.

2. Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE's products to the equipment.

3. The products presented in this brochure are designed for the uses recommended below.

We strongly suggest you contact our sales staff when considering use of any of the products in any other way than the recommended applications or for a specific use that requires an extremely high reliability.

(1) Applications that require consultation:

(i) Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry, such as:

Automotive electrical components, train control, telecommunications devices (mainline), traffic light control, electric power, combustion control, fire prevention or security systems, disaster prevention equipment, etc.

(ii) We may separately give you our support with a quality assurance program that you specify, when you think of a use such as :

Aviation or space equipment, submarine repeaters, nuclear power control systems, medical equipment for life support, etc.

(2) Recommended applications include:

Computers, office appliances, telecommunications devices (terminals, mobile units), measuring equipment, audiovisual equipment, home electric appliances, factory automation equipment, etc.

Japan Aviation Electronics Industry, Limited

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