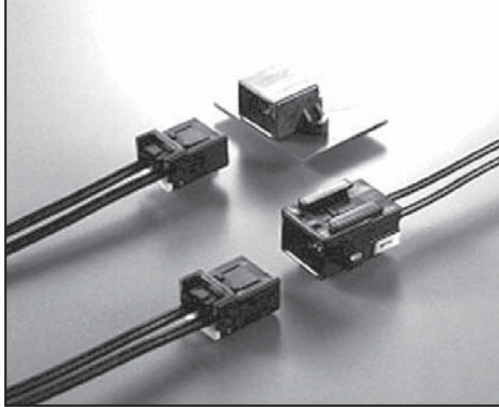


MX25 SERIES CONNECTORS

In-vehicle Coaxial Connectors



FEATURES

- For Board-to-Cable / Cable-to-Cable (Relay) application
- Applicable frequency: 5.8GHz max., VSWR: 1.5 max. (for Cable-to-Cable type)
- With flange for pin-connectors
- Mechanical lock system for reliable mating
Mechanical lock system has better performance for vibration and tensile strength. In case blind-mate, Clear "click" sound ensures the mating condition.
- Double hook mechanism on the contacts to prevent them from moving out
Outer contacts for cable connection are held by two portion of housing lance and retainer, which enables reliable holding of the contacts.
- Boxed shaped contacts which enables high-strength against external pressure
- Protected lock lever
Lock lever of the socket contact is protected by being located under the projection of the housing.
- Pin connectors for cables which is easy to mount on chassis
Pin connector for cable has a holder for nylon clip and metal bracket which are used to be fixed on the chassis. It also has flanges for screw fixing on both side of the connector.
- Highly reliable contact
- Crimp contact



MX25 series was developed as coax connectors for automotive in response to the requirement of high frequency transmission for in-vehicle information system. It has board-to-cable and cable-to-cable type and cable-to-cable type can be utilize up to 6GHz. MX25 has reliable mechanical performance such as mechanical mating lock and double hook on the contacts as well as electrical performance of coaxial.

Application: In-vehicle telephone, GPS system, Satellite radio

GENERAL SPECIFICATIONS

Contact Pitch	6.7mm
Number of Positions	2
Applicable Frequency Range	Board-to-Cable : DC to 3GHz Cable-to-Cable : DC to 6GHz
Withstanding Voltage	1000 VACr.m.s. (for one minute)
Insulation Resistance	100 megohm min..
Contact Resistnace	Inner contact : 5 milliohm max. (initial) Outer Contact : 30 milliohm max. (initial)
VSWR	Board-to-Cable : 1.4 max. (DC to 2.5 GHz) : 1.5 max. (2.5 to 3GHz) Cable-to-Cable : 1.3 max. (2.5 to 3GHz) : 1.5 max. (2.5 to 6GHz)
Insertion Loss	Board-to-Cable : 0.4 dB max. (DC to 2.5 GHz) : 0.5dB max. (2.5 to 3GHz) Cable-to-Cable : 0.3dB max. (2.5 to 3GHz) : 0.5dB max. (2.5 to 6GHz)
Operating Temperature	-40 to +85°C
Applicable Wire Size	Coaxial cable 1.5D equivalent

MATERIALS AND FINISHES

Components	Materials and Finishes
Housing	Pin Header: Glass Filled PBT (Black) Relay Pin/ Socket: PBT (Black)
Retainer	PBT (White)
Sleeve	Copper Alloy/ Nickel Plating
Outer Contact	Copper Alloy/ Tin Plating
Inner Contact	Pin Header: Copper Alloy/ Tin Plating Relay Pin/ Socket: High Conductive Copper Alloy/ Tin Plating
Inner Insulator	Pin Header: LCP (Black) Relay Pin: Glass filled PPS (Black) Socket: TPX (Clear)

Consult JAE for "Ordering Information".

• Please consult JAE for verification of product availability.
Dimensions in mm (inches).