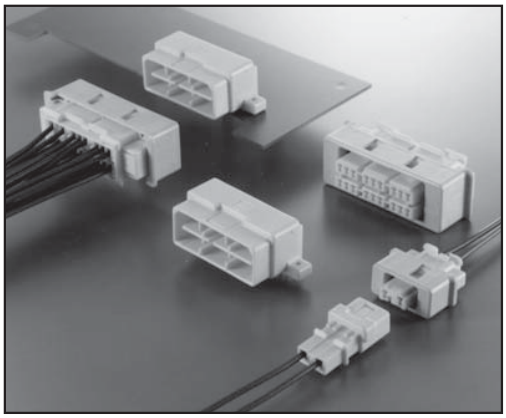
MX9 SERIES CONNECTORS

Board-to-Cable Connectors • 7.0mm (.276") Cable-to-Cable Connectors

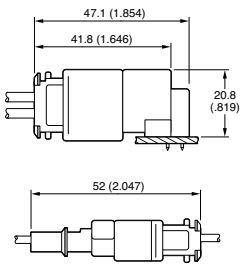


This advanced automotive connector series is designed specifically to meet the stringent reliability standards associated with inflatable safety restraints and engine control units.

FEATURES

- Reliable box contact designed with overstress prevention feature
- Socket contacts have dual points of contact to assure stable electrical continuity
- Conductor and insulation crimps assure mechanical integrity
- Socket contacts are secured in the insulator with integral lances to avoid damage and assure reliability
- Multiple keying arrangements afford maximum versatility
- A spring loaded in the collar housing provides tactile and audible assurance of mating
- Selective gold plating on contacts assures a cost effective and electrical connection
- Positive locking mechanism and polarization assure proper mating
- Mating lever design provides increased vibration resistance and prevents accidental separation

Connector Profile (Ref.)



GENERAL SPECIFICATIONS

Number of Contacts	2 (cable-to-cable) 18 (cable-to-board)
Contact Spacing	7.0mm (.276") 2 position 3.5mm (.138") 18 position
Current Rating	5 Amp per contact
Dielectric Withstanding Voltage	1000 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	10 milliohms max.
Operating Temperature	-40°C to +85°C
Applicable PCB Thickness	1.6mm (.063")

Applicable Wire (Stranded)

Contact Type	Signal	Power
Wire Type (JIS)	AVX, AVS	AVX, AVS, AVSS, CAVS
AWG	#19	#20
Conductor Cross Section Area	0.75mm^2(.00116^2)	0.75mm^2(.00116^2)
Insulation Outer Diameter	2.2mm (.087"))	2.2mm (.087")

MATERIALS AND FINISHES*

Description	Materials/Finishes
Insulator	PBT (UL94HB, Yellow)
Pin Contact	Copper Alloy, selective Gold Plating

Consult JAE for "Ordering Information".

• Please consult JAE for verification of product availability.

Dimensions and specifications subject to change without notice.