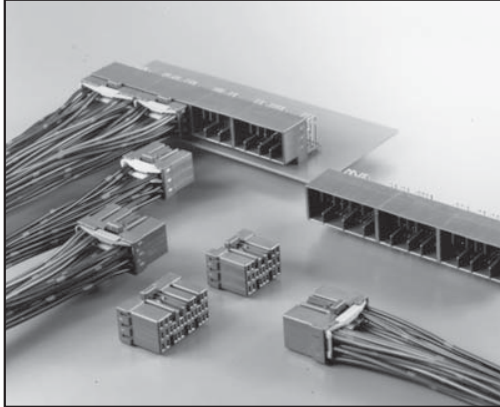


MX7 SERIES AUTOMOTIVE CONNECTORS

025 Crimp Contacts, PCB-to-Cable Connectors



GENERAL SPECIFICATIONS

Number of Contacts	Pin: 35, 48, 93, 109, 119 Socket: 20, 26, 28, 30, 35
Contact Spacing	Signal: 2.3mm (.091") Power: 3.0mm (.118")
Current Rating	Signal: 5 Amp, per contact Power: 7 Amp per contact
Dielectric Withstanding Voltage	1000 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	3 milliohms max.
Operating Temperature	-40°C to +85°C
Applicable PCB Thickness	1.6mm (.063")

FEATURES

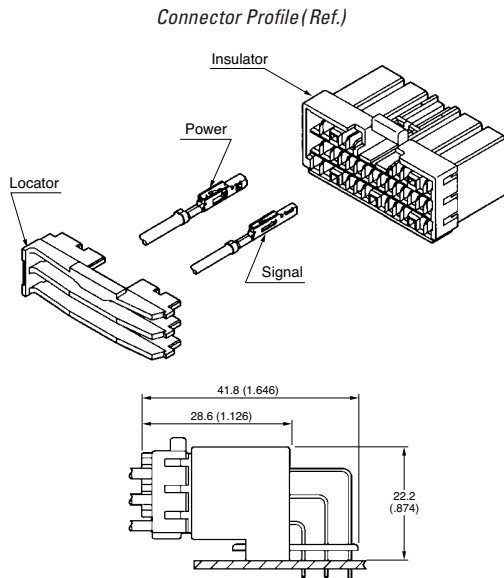
- Signal contacts (5 Amps) and Power contacts (7 Amps) are housed in the same connector
- Mechanical lock assures positive mating
- Double locking mechanism prevents contact from dislodging
- Several wire terminated sockets are coupled with a pin header mounted on a board
- Designed for Engine Control Unit

Applicable Wire (Stranded)

Contact Type	Signal		Power
	AVS	AVSS	AVS, AVSS
Wire Type JIS			
Conductor Cross Section Area	0.3~0.5mm ²	0.3~0.85mm ²	0.5~1.25mm ²
AWG	#22-#20	#22-#18	#20-#16
Insulation Outer Diameter	ø1.4~ø2.1mm (ø.055~ø.083")		ø1.6~ø2.6mm (ø.063~ø.102")

MATERIALS AND FINISHES*

Description	Materials/Finishes
Insulator	Glass-filled PBT (Dark Gray)
Socket	PBT (Dark Gray)
Insulator	Glass-filled PPS (UL94V-0) Black
Locator	Glass-filled PBT (Dark Gray)
Pin Contact	High Conductive Copper Alloy/Tin Plating or Gold (Connecting points)
Socket Contact	High Conductive Copper Alloy/Tin Plating or Gold (Connecting points) with Solder (Tin-Lead terminal area) Plating over Nickel
Retainer	Glass-filled PBT (20 Position: White, 26/35 Position: Light Blue, 28 Position: Orange, 30 Position: Green)



Note 1: Insert the number of gold plated contact for Power and Signal contacts
 P*The Number of Power Contacts
 S*The Number of Signal Contacts

- The above shows the general group of products. Please contact JAE Customer Service when placing an order.
- Suggested screws:
M3 tapping screws (2 or 4 grade) per JIS B1115, 1122 or 1123
- Drawing shown is for 35 positions. The stacking design varies according to the number the positions.

Consult JAE for "Ordering Information".

• Please consult JAE for verification of product availability.
 Dimensions and specifications subject to change without notice.