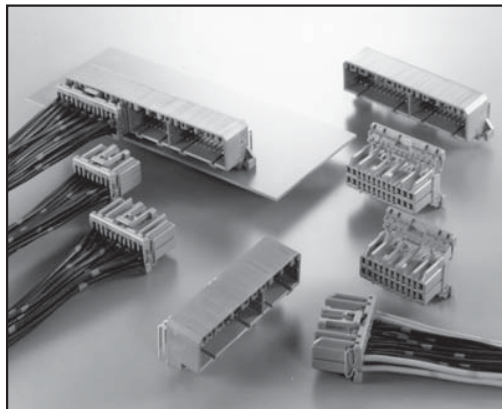


# MX5 SERIES AUTOMOTIVE CONNECTORS

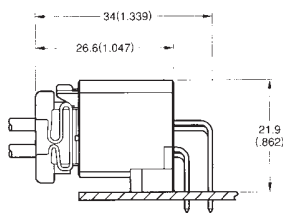
## 040/070 Crimp Contacts, PCB-to-Cable Applications



### FEATURES

- Designed for state-of-the-art interconnections for automotive electronic equipment.
- Designed for high density packaging with numerous contacts in an engine control unit.
- Signal contacts (4 Amps) and power contacts (8 Amps) are housed in the same connector.
- Several wire-terminated sockets are coupled with a pin header mounted on a board.
- Mechanical lock assures positive mating.
- Double locking mechanism avoids contact dislodging.
- Highly reliable socket contacts.
- Simplified crimp type termination.

Connector Profile (Ref.)



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



### GENERAL SPECIFICATIONS

Number of Contacts	Pin: 26, 34, 42, 48, 54, 64, 76 Socket: 12, 16, 22, 26
Contact Spacing	Signal: 3.0mm (.118") Power: 3.5mm (.138")
Current Rating	Signal: 4 Amp, Power: 8 Amp per contact
Dielectric Withstanding Voltage	1000 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	5 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	AVS, AVSS, AVX	
AWG	#24 to #18	#22 to #16, #14 (AVSS)
Conductor Cross Section Area	0.2 to 0.85mm <sup>2</sup>	0.3 to 2mm <sup>2</sup>
Insulation Outer Diameter	1.2 to 2.2mm (.047 to .087")	1.4 to 2.9mm (.055 to .114")

Note: 2mm<sup>2</sup> for AVSS only.

### MATERIALS AND FINISHES\*

Description	Materials/Finishes
Insulator	Glass-filled PBT (green or light blue for 34 contacts only, note 2)
Socket Housing	PBT (Green, note 2)

Note 1: For pin contacts, tin plating is standard finish. Gold plated contacts can be supplied with standard contacts in the same connector. Please consult JAE for details.

Note 2: The standard color of insulator and socket housings is green. Other colors are available. For details, please consult JAE.

Consult JAE for "Ordering Information".