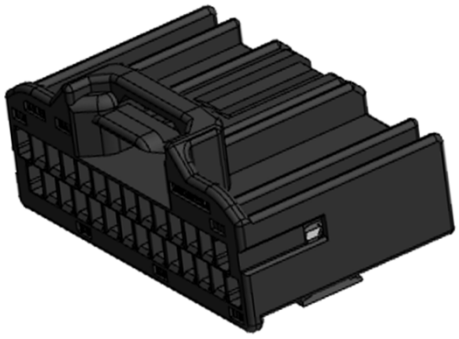
NEW

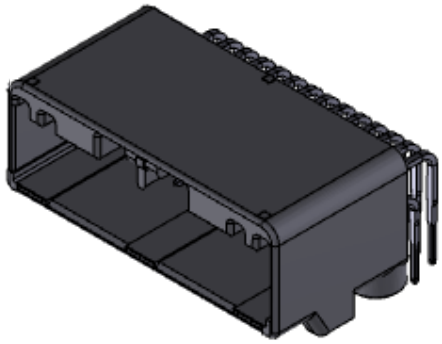
MX84B Series

(PHEV, EV Connector using Low Flammability Material)

CONNECTOR
MB-0330-2
May 2018

RoHS Compliant





Recently for in-vehicle connectors, demands for products using low flammability material are growing due to environmental regulations.
To meet these demands, JAE has developed the MX84B Series in-vehicle connector which is a UL-94 V0 compatible version of the existing MX34 Series.
The MX84B Series is a connector ideal for PHEV and EV.

Features

- ■Compatible with Vehicle-mounted specifications.
- ■ Insulator materials compliant with the flammability standard UL94 V-0
- ■Comes in the same form factor and dimensions as the MX34 Series
- ■Terminal size: 0.64 mm (pin terminal width)

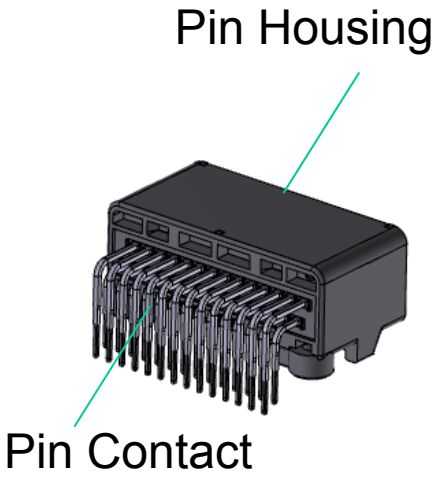
General Specifications

- ■ No. of Contacts: 20, 28
- ■ Rated Current: 3A
- ■ Operating Temperature Range:-40ºC to + 85ºC
- ■ Maximum Operating Temperature: 130ºC
  (Ambient temperature + temperature rise due to conduction)
- ■ Contact Resistance: Initial 5mΩ max. / After test 10mΩ max.

Parts Configuration / Materials and Finishes

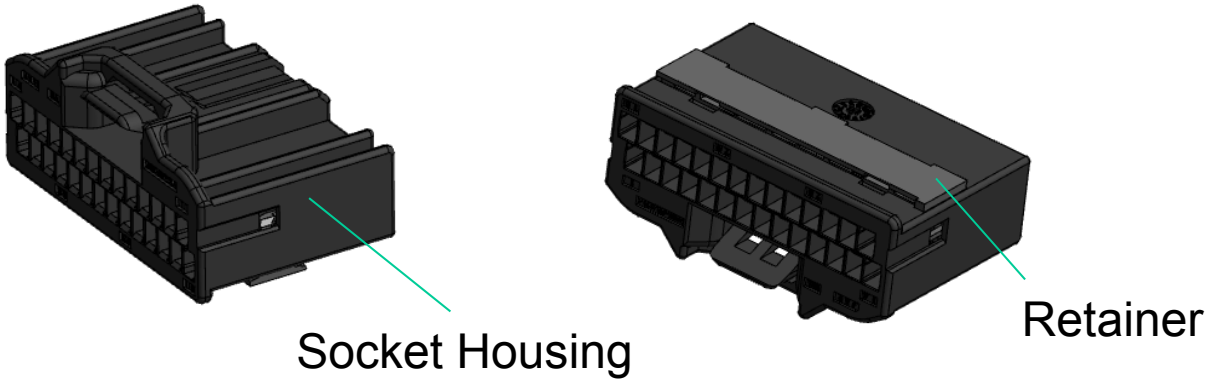
■ Angle Pin Header

Component	Material / Finish
Pin Housing (Color: black)	SPS-GF30 (Flammability UL94 V-0)
Pin Contact	Brass / Sn Plating



■ Socket Housing

Component	Material / Finish
Socket Housing (Color: black)	PBT (Flammability UL94 V-0)
Retainer (Color: dark gray)	PBT (Flammability UL94 V-0)



Angle Pin Header / Socket Housing

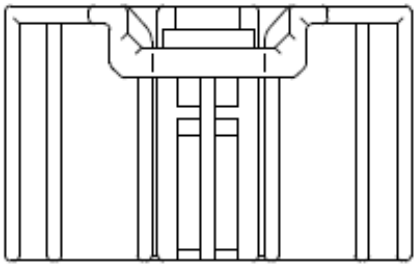
Part Number / Drawing No.

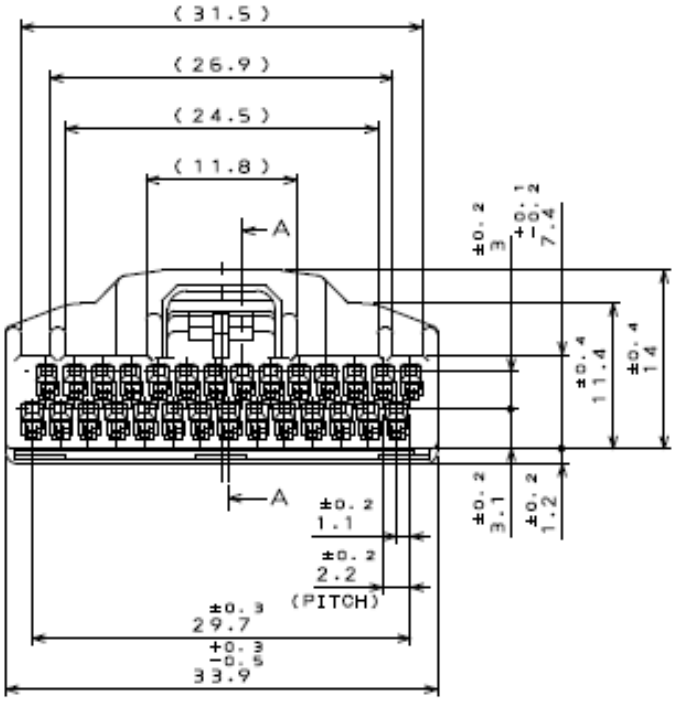
No. of Contacts	Angle Pin Header	Drawing No.	Socket Housing	Drawing No.
20	MX84B020NF1	SJ120411	MX84B020SF1	SJ120412
28	MX84B028NF1	SJ120413	MX84B028SF1	SJ120414

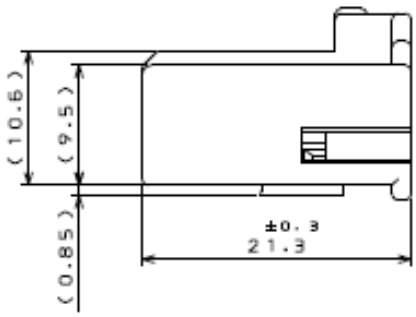
Socket Housing

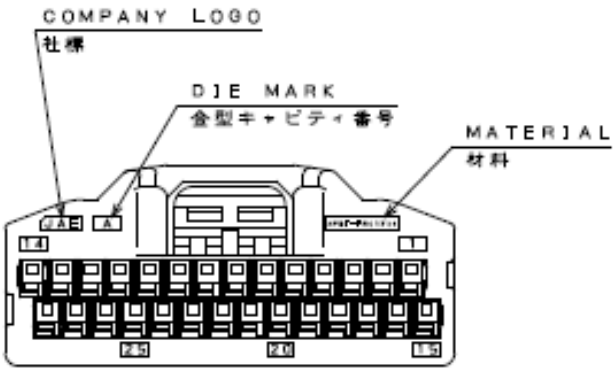
Part Number: MX84B028SF1

Drawing No.: SJ120414





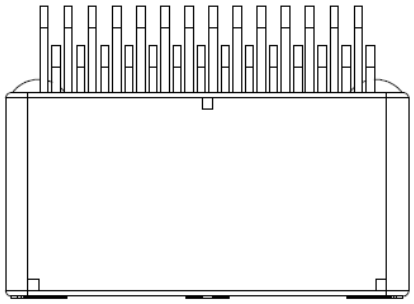


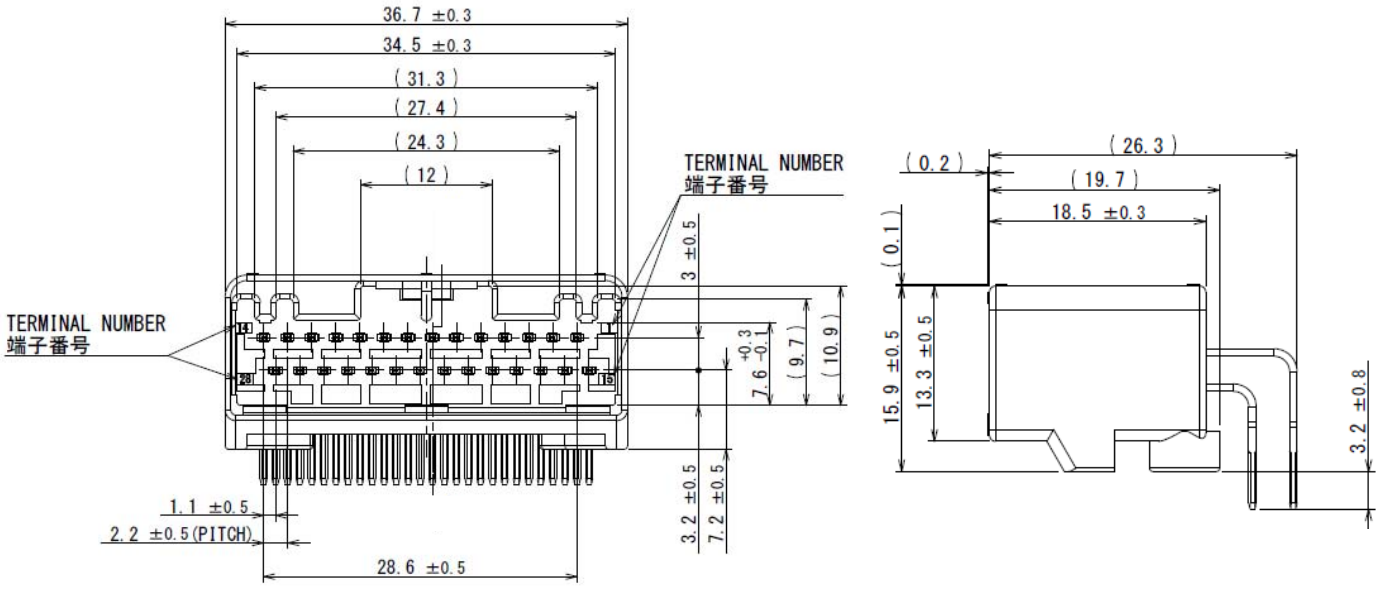


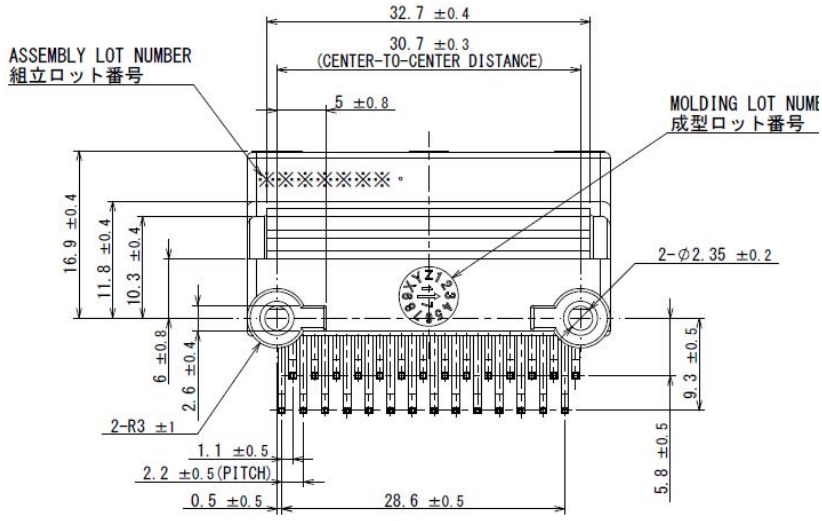
Angle Pin Header

Part Number: MX84B028NF1

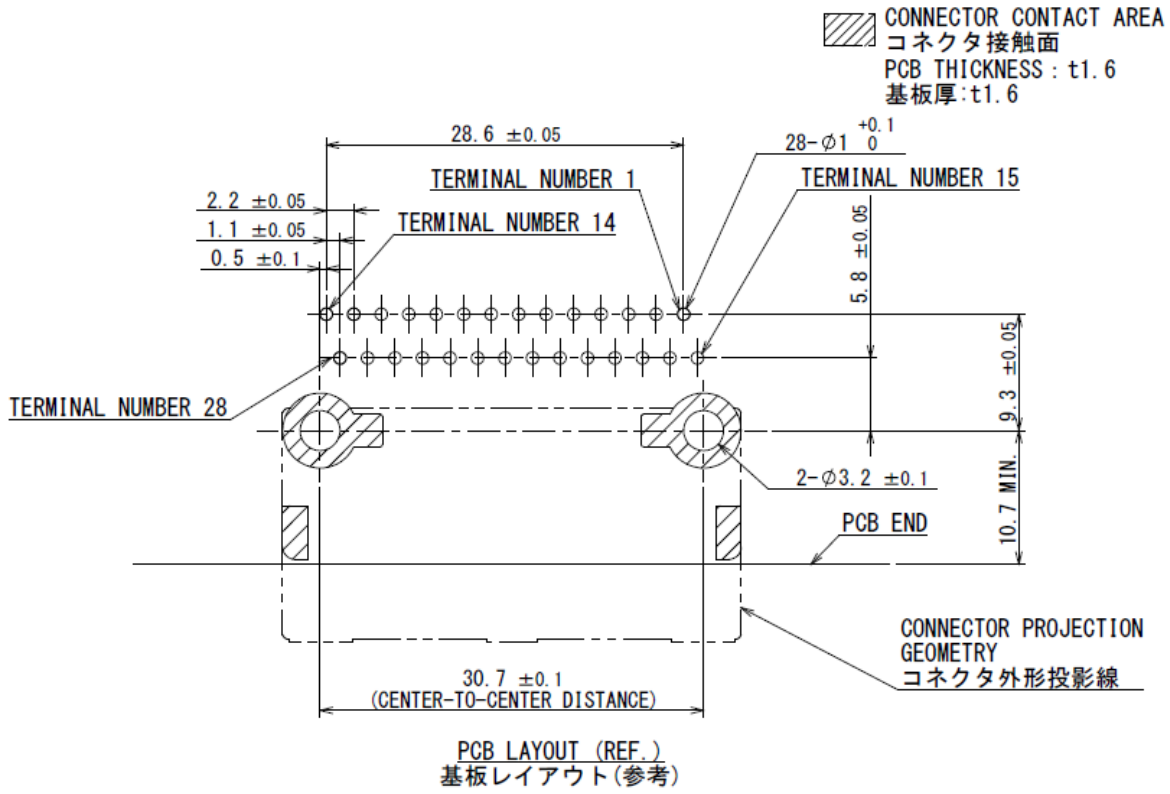
Drawing No.: SJ120413







<Applicable Board Dimensions>



Specifications

JACS-11205

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.

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