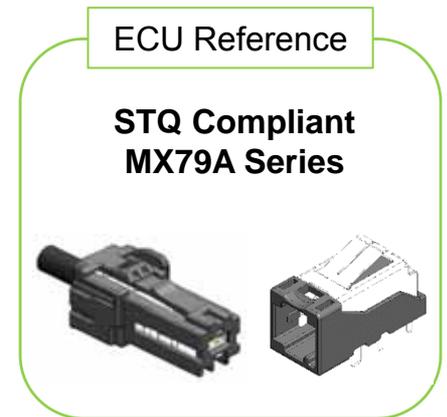
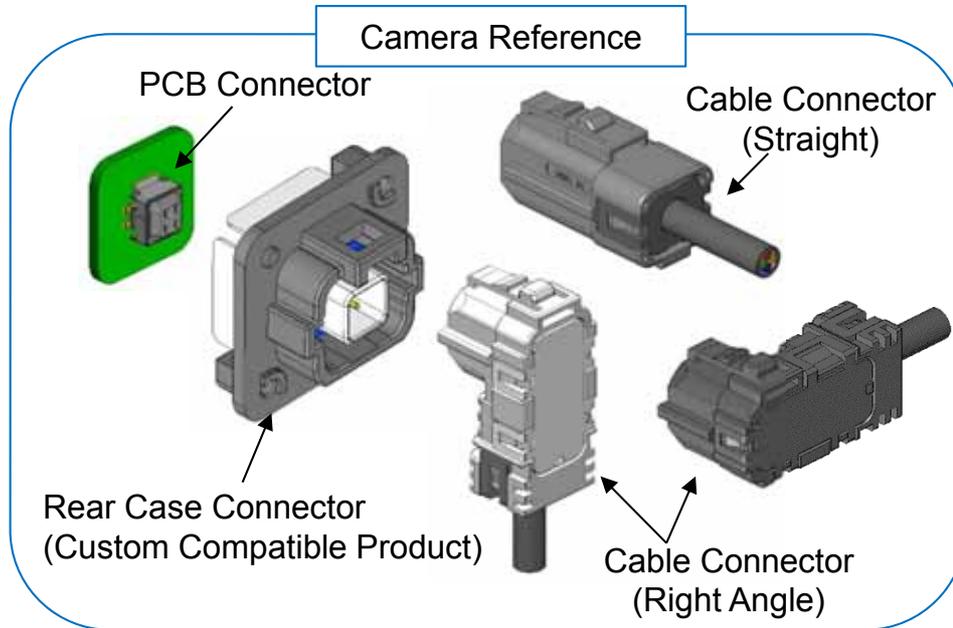


Automotive Digital Camera Compatible Connector

MX55J Series

CONNECTOR
MB-0357-1
May 2021

RoHS Compliant



Developed MX55J Series of waterproof digital camera compatible connectors for connecting in-vehicle cameras (differential 100Ω).

Applicable Market Segments

- Automotive camera

Features

- 4 contact poles – (2 Differential +/-, 1 Power, 1 Ground)
- 3 cable orientation models – (2 Angle types / 1 Straight type)
- Applicable PCB thickness – 1.3mm or more
- Applicable cable – STQ (Shielded Twist Quad)
- Waterproof performance is equivalent to IPX9K when mated
- Extraordinarily robust and low height achievement

- 1 Cable connectors are sold only for cable harnesses and are not sold separately.
 - Please contact JAE when designing the cable harness.
- 2 The rear case is custom-made. Please inquire about samples/drawings, etc.

General Specifications

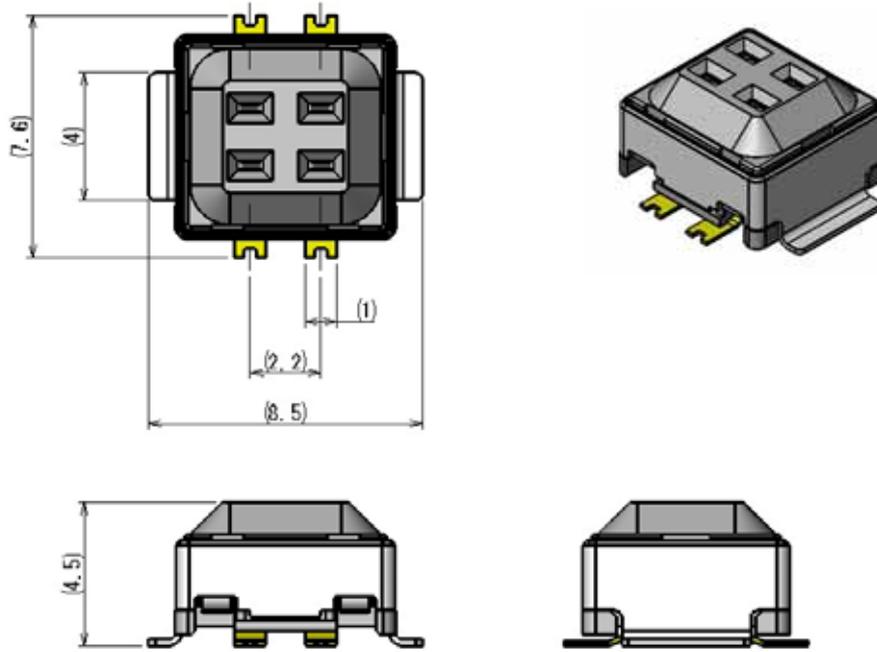
Number of contacts	4-poles
Operating temperature range	-40 ~ +105
Applicable wire	Shielded Twist Quad cable (AWG 26×4C)
Withstand voltage	AC 500 Vrms (1 minute)

Product Name / Drawing No. / Dimensions

PCB Connector

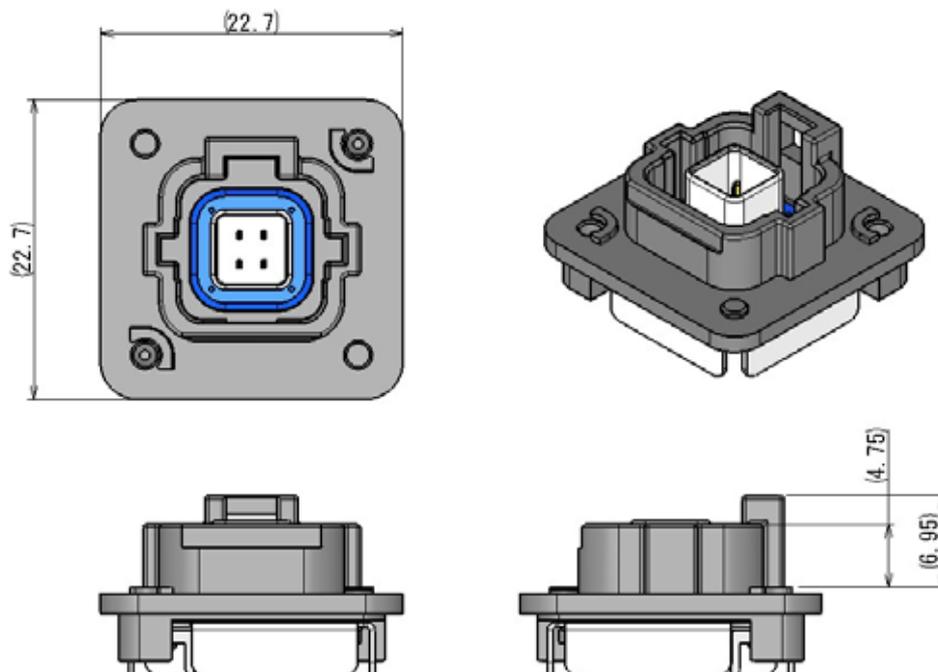
MX55004KBDR900 / SJ122141

(Single unit: MX55004KBD / SJ122140)



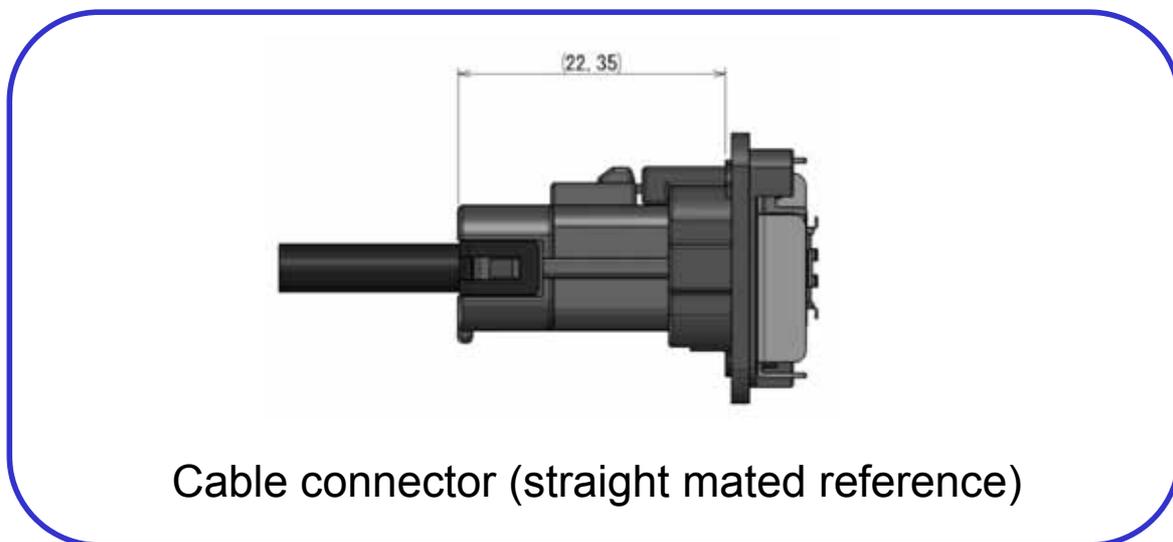
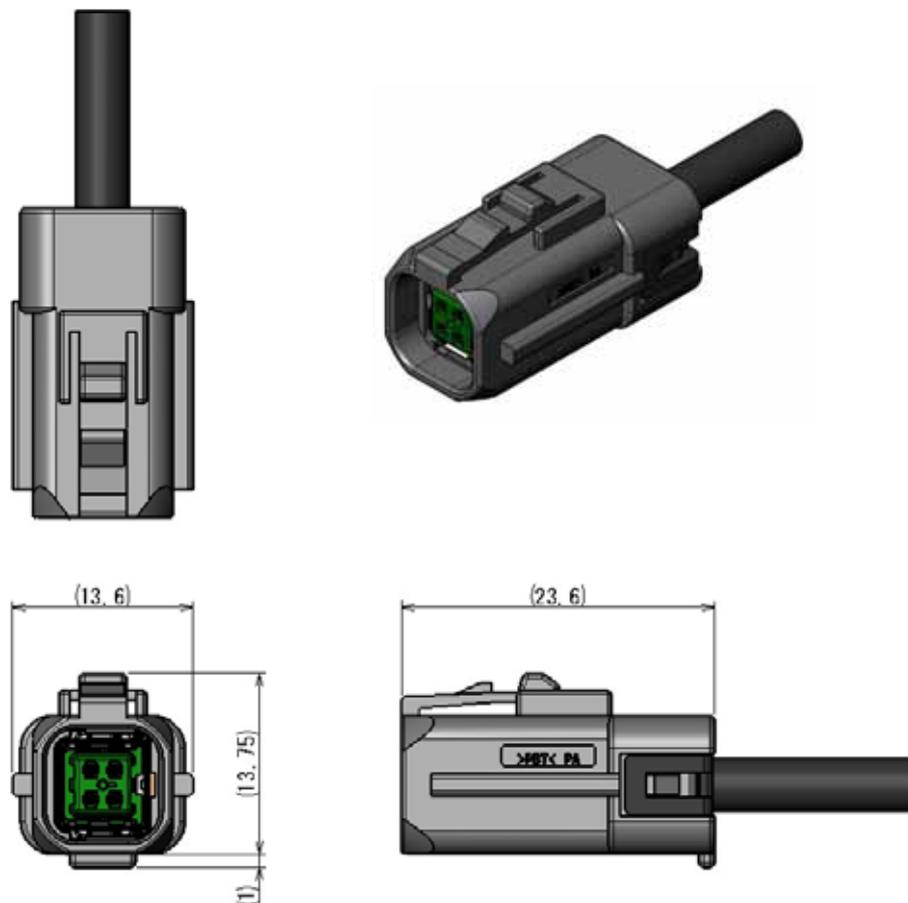
Rear Case Connector (Dimensions Reference)

Please contact JAE for customer specific requirements.



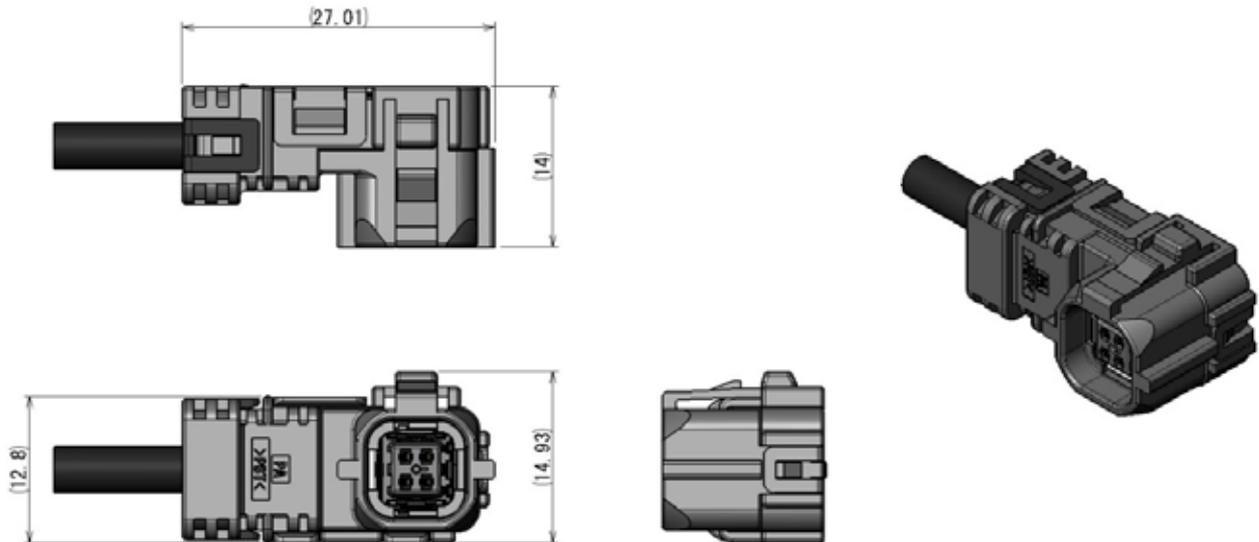
Product Name / Drawing No. / Dimensions

Straight Cable Connector (Unmated Reference)
 MX55J04SQJ / SJ121234

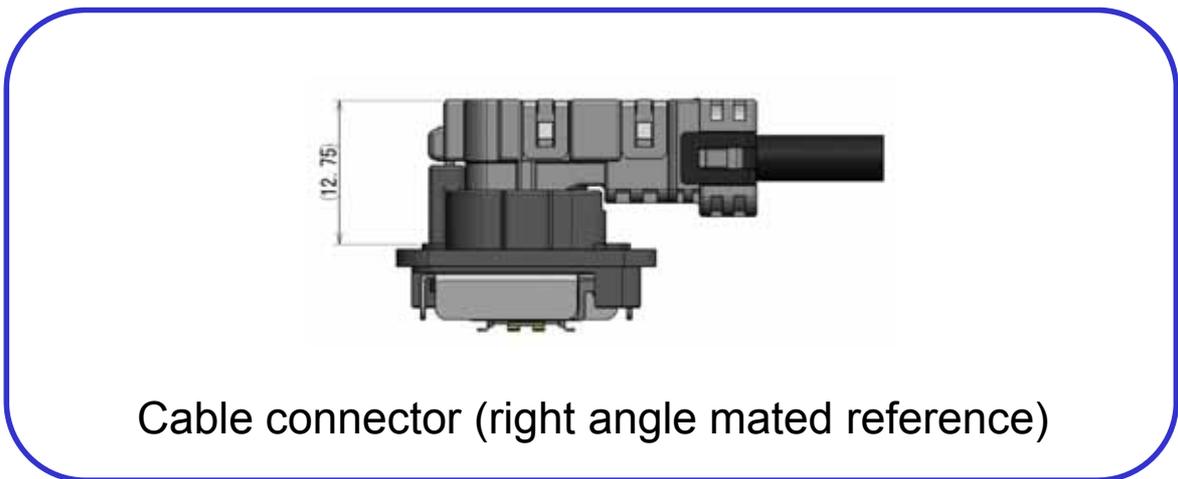
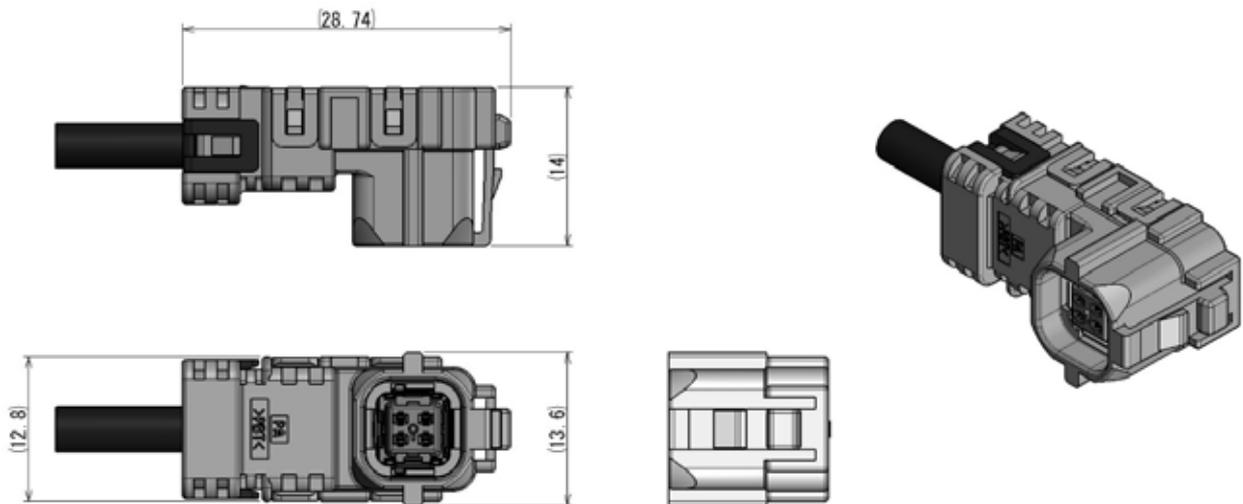


Product Name / Drawing No. / Dimensions

Right Angle Cable Connector (Cable Outlet right)
 MX55J04SQF / SJ121232



Right Angle Cable Connector (Cable outlet down)
 MX55J04SQG / SJ121233



Cable connector (right angle mated reference)

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.

Japan Aviation Electronics Industry, Limited

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