

FAKRA Compatible Waterproof Coaxial Harness MX66 Series

CONNECTOR
MB-0359-3
Apr.2023

RoHS Compliant



Overview

We have developed the industry's smallest class waterproof coaxial connector "MX66 series" that complies with the FAKRA standard used in ADAS, connected cars, etc.

Applications

- Between in-vehicle camera and communication device, etc.

Features

Compliant with FAKRA standard, realizing the industry's in class size for a waterproof connector.

Supplied as a cable harness product to ensure the transmission performance and reliability (the connector cannot be supplied individually).

4 different directions are supported for a cable pull-out direction, including straight or angle connectors for in-vehicle cameras.

Achieves waterproof performance (equivalent to IPX9K on mating waterproof).

Coaxial cable (equivalent to 1.5D) is applicable, with wire diameter $\Phi 2.8$ mm (D462 in Europe, etc.).

* This product is sold only as a cable harness, and we do not provide an individual connector.

* When manufacturing a cable harness, the information on the connector type at both ends of the cable and the cable length between the connector necks is required.

If you have any questions, please contact us.

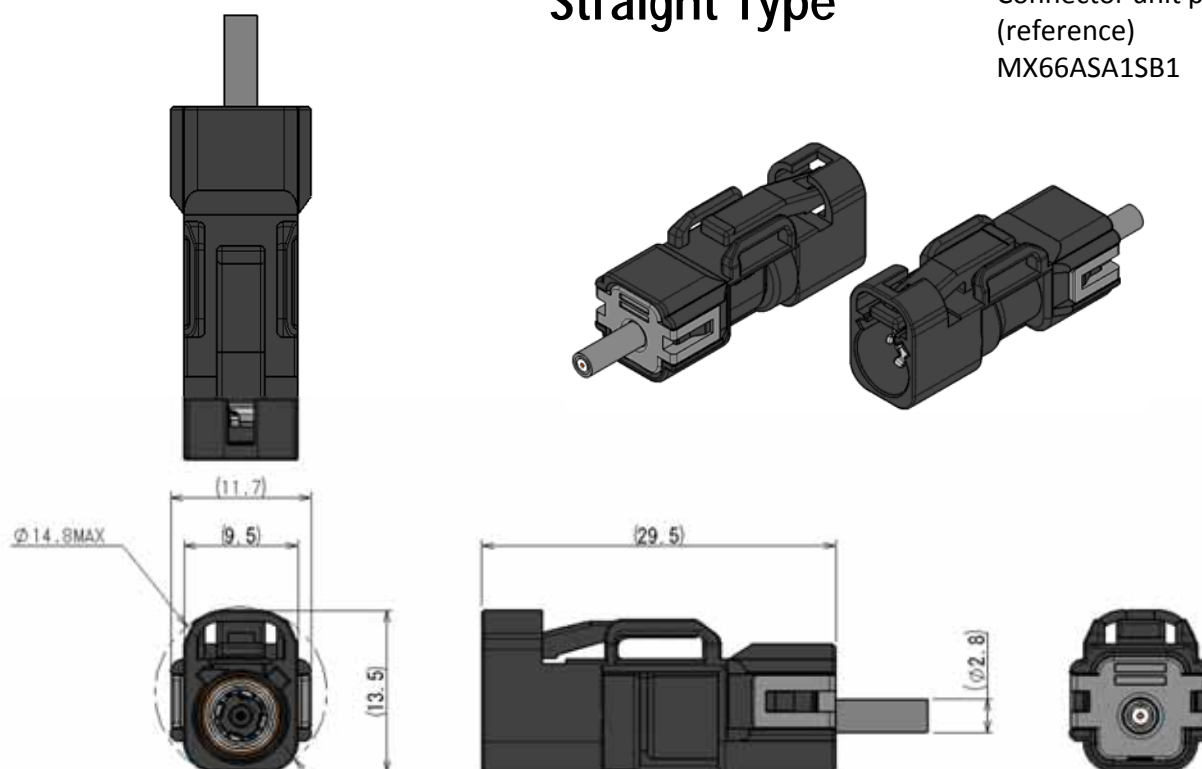
General Specifications

Number of Poles	1 pole
Connection Direction	3 angle types / 1 straight type
Operating Temperature Range	-40 °C ~ + 105 °C
Compatible Cable	Coaxial (cable outer diameter $\Phi 2.8$ mm)
Rated Voltage	350VDC
Rated Current	1A

External Dimensions

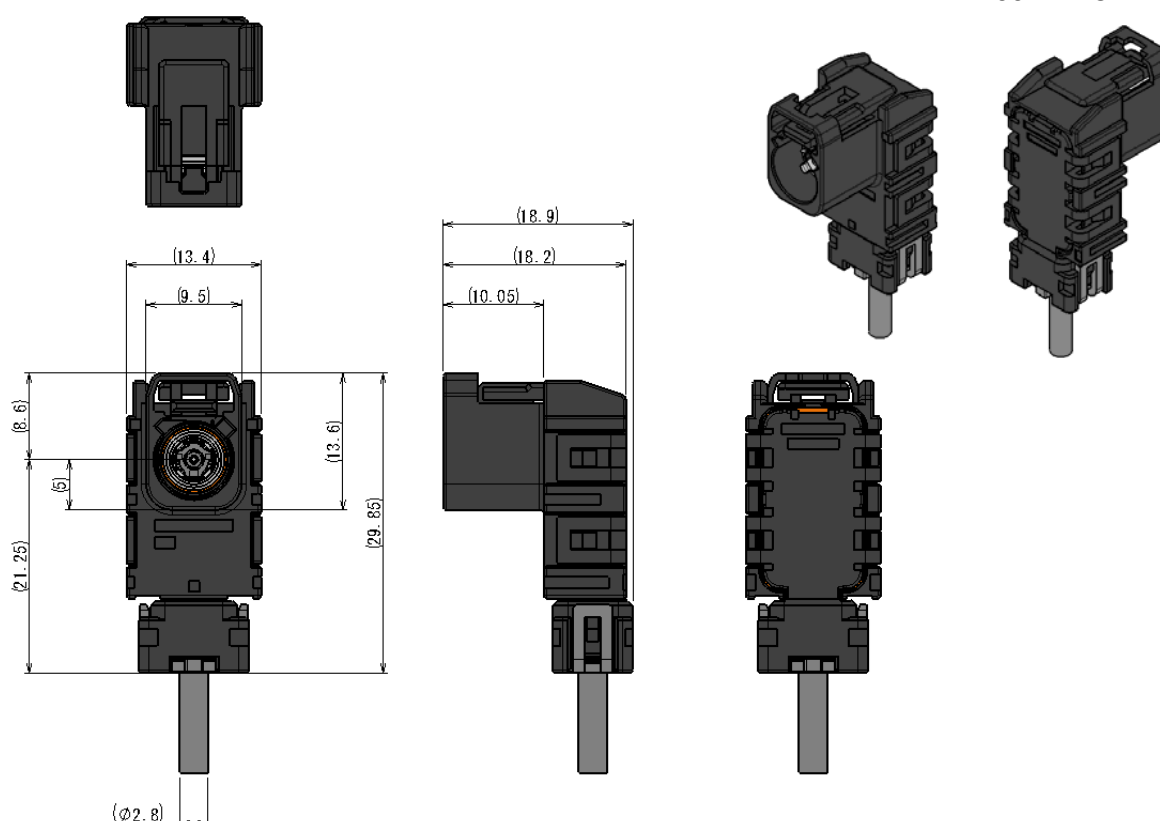
Straight Type

Connector unit product name
(reference)
MX66ASA1SB1



Angle Type (down)

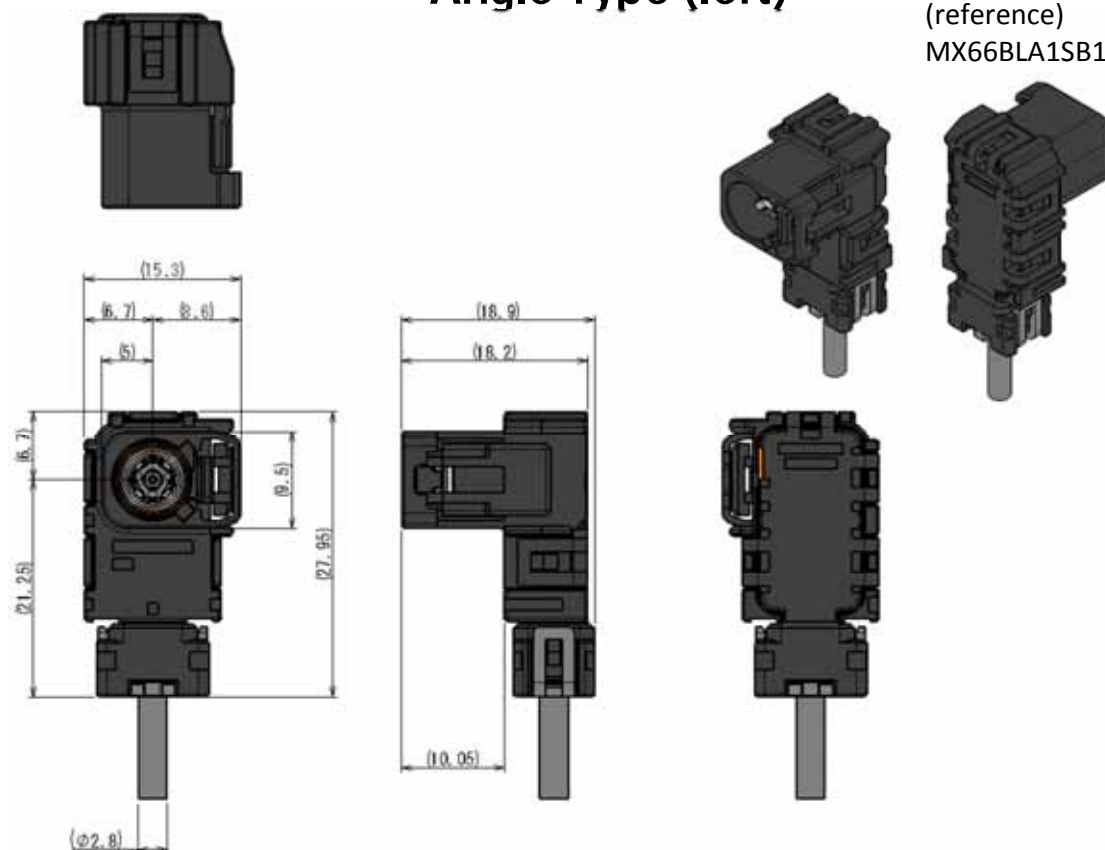
Connector unit product name
(reference)
MX66BDA1SB1



External Dimensions

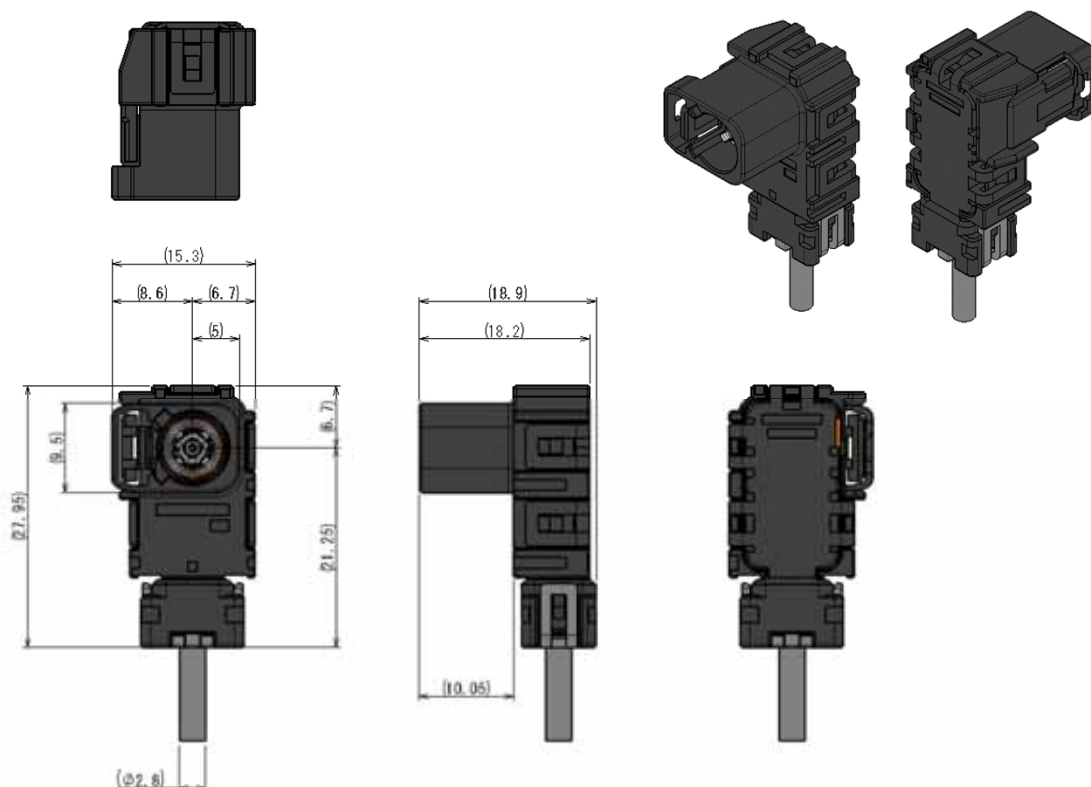
Angle Type (left)

Connector unit product name
(reference)
MX66BLA1SB1

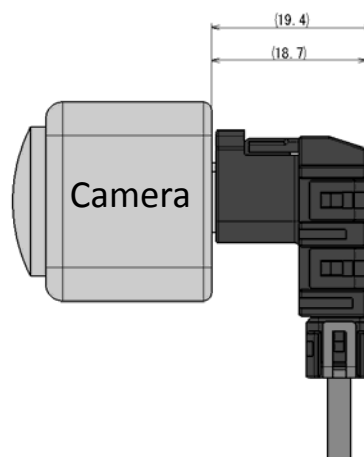
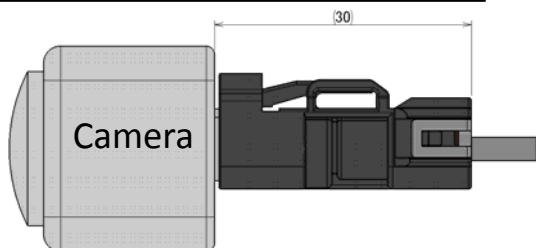


Angle Type (right)

Connector unit product name
(reference)
MX66BRA1SB1

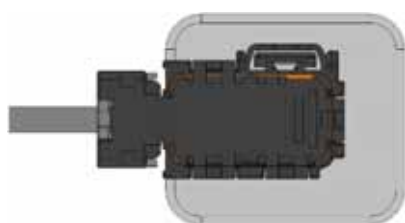


Mated Condition (reference)



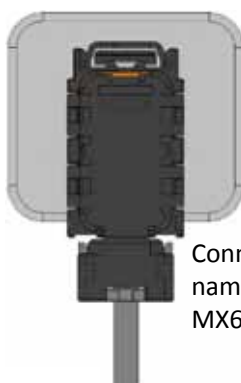
Cable Exit Direction

Left



Connector unit product
name
MX66BLA1SB1

Down

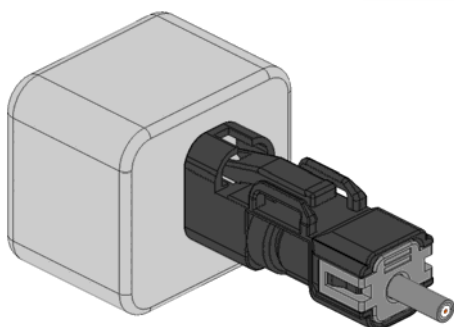


Connector unit product
name
MX66BDA1SB1

Right



Connector unit product
name
MX66BRA1SB1



Straight

Connector unit product
name
MX66ASA1SB1

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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