

USB Type-C® Compatible DX07 Series Hybrid Contact Receptacle

CONNECTOR

MB-0335-6

Jan 2026

RoHS CompliantOn-board TypeMid-mount Type

Overview

The DX07 Series connectors are USB Type-C® compliant, and they are a standard interface for various devices, such as PCs, smartphones, audio-visual equipment, gaming devices, and other hand-held devices.

This product is a through-hole, SMT hybrid contact receptacle which allows for reworking of soldering area.

Note) USB Type-C®, USB-C® are trademarks of USB Implementers Forum.

Application

PCs, tablets, HUBs, POS registers, portable gaming devices, and others

Features

- Compliant with Universal Serial Bus Type-C Specification Release 2.4
- Compatible with 10Gbps x2 (20Gbps) Super Speed communication. (USB 3.2)
- Supports 240W (5A/48V) max. power supply.
(Compatible with USB Power Delivery Extended Power Range)
- Reversible plug orientation makes it possible to insert in either way.
- Lock structure with superior durability.
- Reworkable hybrid through-hole, SMT contact.

General Specifications

Number of Contacts	24 Position	Rated Current	V _{BUS} (Terminal No. A4, A9, B4, B9) DC 5 A (Total)
Contact Resistance	40 mΩ max. (initial)		GND(Terminal No. A1, A12, B1, B12) DC 5.5 A(Total)
Dielectric Withstanding Voltage	100 Vr.m.s.(for 1 minute)		V _{CONN} (Terminal No. B5) DC 0.5 A
Insulation Resistance	100 MΩ (initial)		Others DC 0.25 A
Durability	10,000 times	Rated Voltage	48 Vr.m.s.
Operating Temperature Range	-40 deg. C to +85 deg. C		

Ordering Information

DX07 * * 24 X * * R****

Series

DX07: USB Type C

Reeled pcs. / reel

S: On-board, B: Mid-mount

Modification Code #2

Modification Code #1

No. of Contacts: 24 positions

Plating Specification

J: Contact area: Au flash over Palladium Ni
over Ni plating

A: Contact area: Au over Ni plating

Board Connection Type

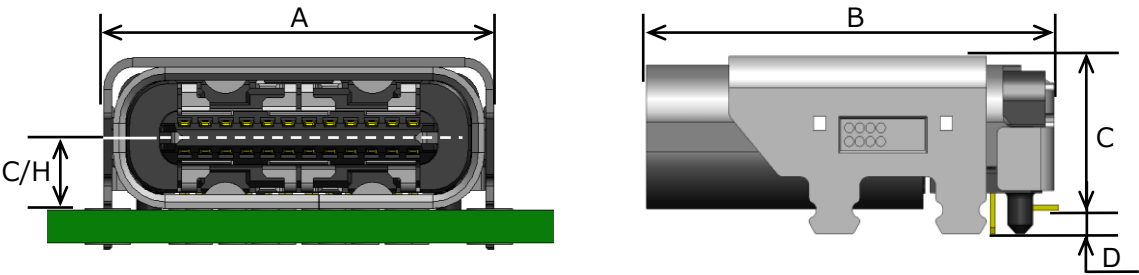
X: Hybrid Type

TID No.




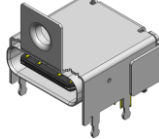
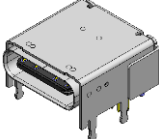
Part Number	TID No.
DX07B024XJ1	5200000134
DX07S024XJ1	5200000031
DX07S024XJ1A	5220000133
DX07SA24XJ2	5200000032
DX07S024XJ4	7420
DX07S024XA8	8315

Outer Dimensions

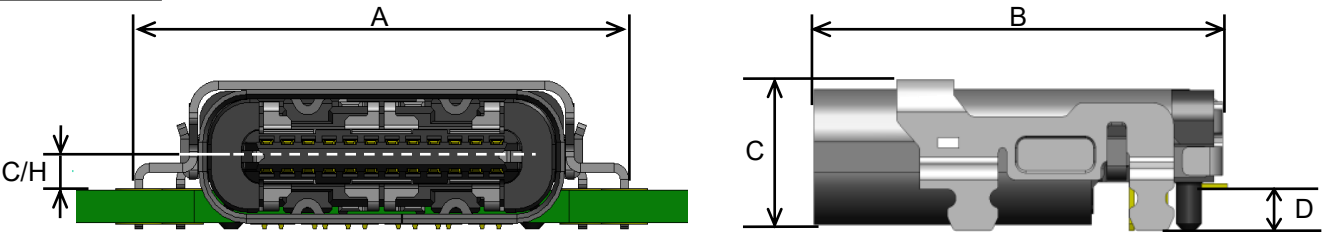
On-board




Unit: mm

Part Number		C/H	Dimension A	Dimension B	Dimension C	Dimension D	Mating Length	Shell Plating	Note
DX07S024XJ1		1.6	9.4	9.65	3.34	0.7	5.5	Black Nickel	--
DX07S024XJ1A						Bracket 0.9 Contact 0.7		Nickel	--
DX07SA24XJ2		2.0	10.5	9.25	3.77	0.9	5.1		--
DX07S024XJ4		3.4	10.0	10.44	Flange 10.17 Body 5.17	Bracket 1.9 Contact 1.8	4.7		Screw-hole M2
DX07S024XA8				10.25	5.17				--

Mid-mount



Unit: mm

Part Number		C/H	Dimension A	Dimension B	Dimension C	Dimension D	Mating Length	Shell Plating	Note
DX07B024XJ1		0.7	11.8	9.65	3.14	0.9	5.5	Black Nickel	--

Part Numbers and Product Drawings

Part Number	Drawing Number	Specifications	Handling Instructions	Package Quantity
DX07B024XJ1 DX07B024XJ1R1300	SJ116121 SJ116122	JACS-30361	JAHL-30361	1,300 pieces/reel
DX07S024XJ1 DX07S024XJ1R1100	SJ116123 SJ116124			1,100 pieces/reel
DX07S024XJ1A DX07S024XJ1AR1000	SJ117695 SJ117696			1,000 pieces/reel
DX07SA24XJ2 DX07SA24XJ2R1000	SJ116666 SJ116667			250 pieces/reel
DX07S024XJ4 DX07S024XJ4R250	SJ119851 SJ119852			700 pieces/reel
DX07S024XA8 DX07S024XA8R700	SJ121226 SJ121227			

Note) Please order in reel units.

Remarks: Large selection of connector variations are available in DX07 Series
Please refer to the chart below for brochures of other variations.

Brochure Number	Brochure Name
MB-0297-*	DX07 SMT Contact Receptacle
MB-0333-*	DX07 Waterproof Receptacle
MB-0336-*	DX07 Vertical Receptacle
MB-0350-*	DX07 16-position Receptacle
MB-0362-*	DX07 USB4 Gen3 Compatible Receptacle
MB-0410-*	DX07 Repairable Receptacle
MB-0301-*	DX07 Plug Series
MB-0324-*	DX07 Harness
MB-0332-*	DX07 Vertical Plug

Note) The asterisk (*) stands for revision number.

Notice:

1. The specifications provided in this brochure are for reference purpose only. The products and their specifications are subject to change without notice. Please contact our sales representatives for further information before considering or placing an order. A formal product specification must be agreed upon prior to purchase.

2. Users are responsible for implementing appropriate protection 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 provide separate support based on your specified quality assurance program, 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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