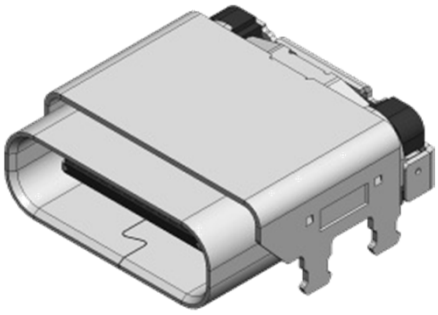
USB Type-C® Compatible DX07 Series Hybrid Contact Receptacle

CONNECTOR
MB-0335-5
December 2021

RoHS Compliant



On-board Type



Mid-mount Type

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.

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

Features

- Compliant with Universal Serial Bus Type-C Specification Release 2.1
- 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)
- Lock structure with superior durability.

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-0301-*	DX07 Plug Series
MB-0324-*	DX07 Harness
MB-0332-*	DX07 Vertical Plug

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

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General Specifications

Number of Contacts	24 Position
Contact Resistance	40mΩ max. (initial)
Dielectric Withstanding Voltage	100Vrms / 1minute
Insulation Resistance	100MΩ (initial)
Durability	10,000 times
Operating Temperature Range	-40˚C ~ +85˚C

Rated Current	V_{BUS}(Terminal No. A4, A9, B4, B9) DC 5A (Total)
	GND(Terminal No. A1, A12, B1, B12) DC 6.25A(Total)
	V_{CONN}(Terminal No. B5) DC 1.25A
	Others DC 0.25A / pin
Rated Voltage	48Vrms

Ordering Information

DX07 * * 24 X * * R**

Series
DX07: USB Type C

S: On-board, B: Mid-mount

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

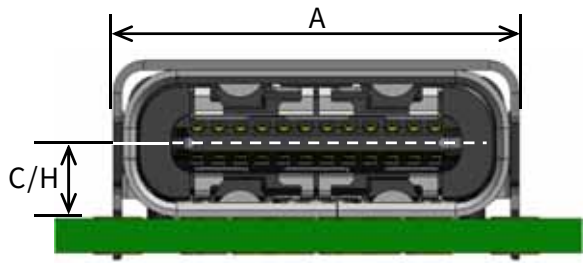
Modification Code #2

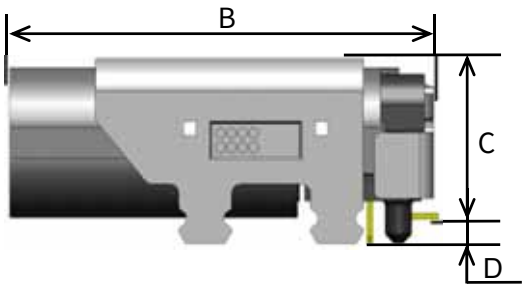
Reeled pcs. / reel

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Outer Dimensions

On-board

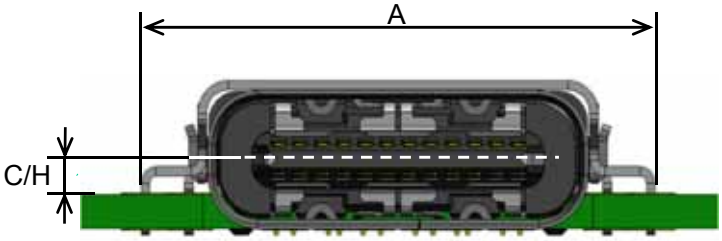


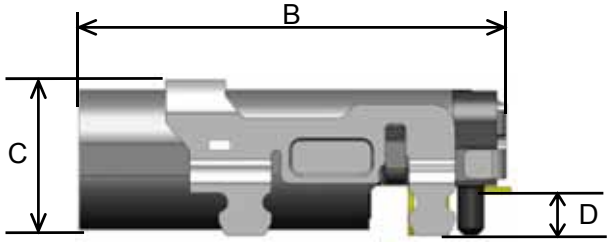


Unit: mm

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	--

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Technical Documents

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			
DX07S024XJ4 DX07S024XJ4R250	SJ119851 SJ119852			250 pieces/reel
DX07S024XA8 DX07S024XA8R700	SJ121226 SJ121227			700 pieces/reel

Note) Please order in reel units.

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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Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Japan Aviation Electronics:

DX07B024JJ2R1500 FF0881SA1-R3000 MX23A26NF1 MX23A34XF1 MX34012SF1 MX23A18SF1 MX44006XR1 MX77A020HF1 MX80A04SZ1A MX84B020NF1 FI-W15S MM60-52B1-G1-R850 MX34016SF1 MX34040SF1 FI-RE31HL FI-SE20MRE FI-W31S MX23A26SF1 MX34016SFA MX44000XP2 TX25A-80P-LT-H1E 725411-2MAC HD1P040MA1R6000 IL-AG9-2S-S3C1 MX80S08K4F1 CE2S111C01 FI-RE41S-HF-R1500 MX34012NF1 MX34032SF4 MX19002P52