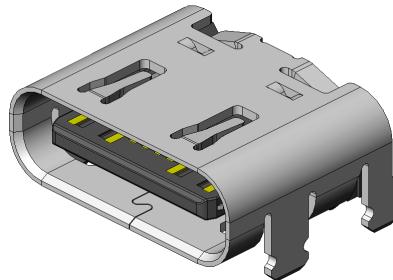


# USB Type-C® Compatible DX07 Series

## 16-position Right Angle Receptacle

CONNECTOR  
MB-0350-3  
Aug 2025

### RoHS Compliant



The DX07 Series are USB Type-C® compliant connectors ideally suited for use in various devices, such as PCs, smartphones, audio-visual equipment, gaming devices, and other hand-held devices.

This product is a receptacle with 1 row of SMT terminals, ideal for saving space to allow for the miniaturization of devices.

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

### Applications

Smartphones, tablets, power bank, headphones, charging adapter and others

### Features

- Compatible with USB Type-C Specification Release 2.4
- Supports 240W (5A/48V) max. power supply.  
(Compatible with USB Power Delivery Extended Power Range)
- USB 2.0 (480Mbps)
- Reversible plug design
- 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-0335-*       | DX07 Hybrid Contact 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                   |

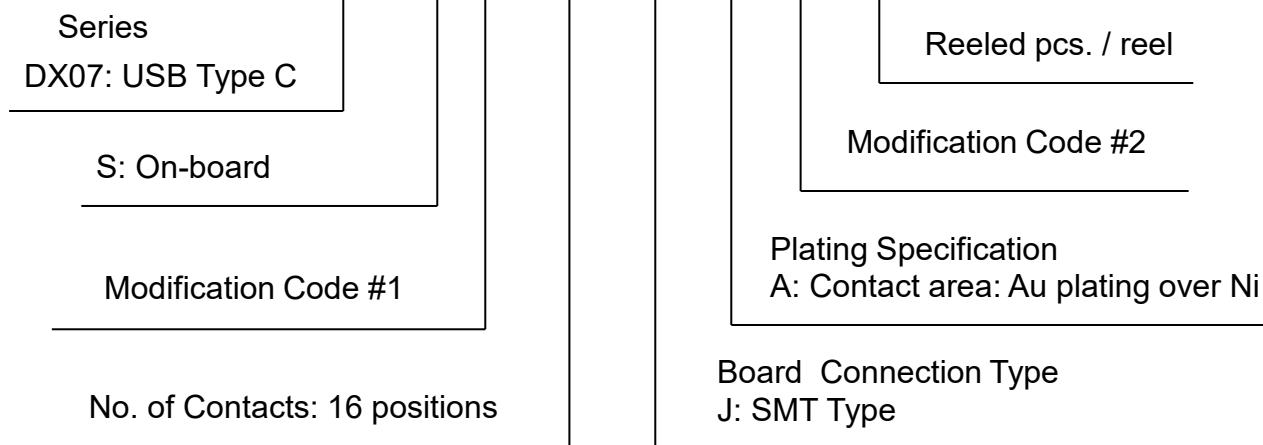
Note: The asterisk (\*) stands for revision number.

## General Specifications

|  |                          |               |   |  |
|--|--------------------------|---------------|---|--|
| Number of Contacts                           | 16 Position              | Rated Current | V <sub>BUS</sub> (Terminal No. A4, A9, B4, B9) DC 5 A (Total) |  |
| Contact Resistance                           | 40 mΩ max. (initial)     |               | GND (Terminal No. A1, A12, B1, B12) DC 6.25 A (Total)         |  |
| Withstanding Dielectric Withstanding Voltage | 100 Vr.m.s. (per minute) |               | V <sub>CONN</sub> (Terminal No. B5) DC 1.25 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

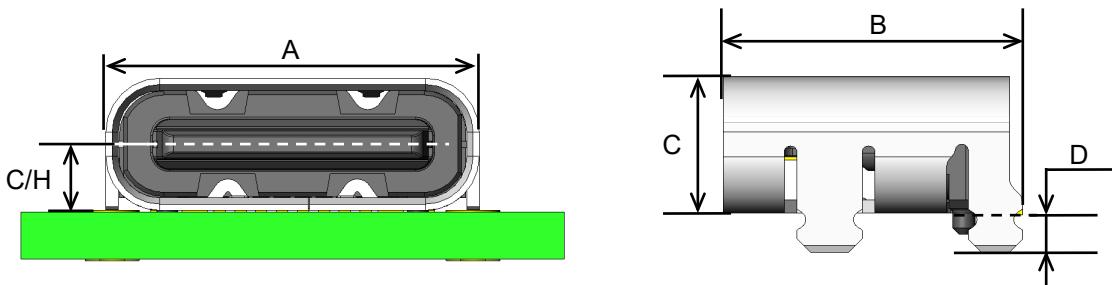
**DX07 \* \* 16 J A \* R\*\*\***



TID No.

| Part Number      | TID No. |
|------------------|---------|
| DX07S016JA1R1500 | 2685    |
| DX07S016JA2R1500 | 11451   |
| DX07S016JA3R1500 | 10724   |

## Outer Dimensions



Unit: mm

| Part Number |  | C/H  | Dimension A | Dimension B | Dimension C | Dimension D | Mating Length |
|-------------|--|------|-------------|-------------|-------------|-------------|---------------|
| DX07S016JA1 |  | 1.58 | 8.94        | 6.9         | 3.16        | 0.9         | 4.7           |
| DX07S016JA2 |  |      |             |             |             | 1.2         |               |
| DX07S016JA3 |  |      |             |             |             |             |               |

## Part Numbers and Product Drawings

| Part Number      | Drawing Number       | Specifications | Handling Instructions | Package Quantity |
|------------------|----------------------|----------------|-----------------------|------------------|
| DX07S016JA1R1500 | SJ121836<br>SJ121837 | JACS-30413     | JAHL-30413            | 1,500            |
| DX07S016JA2R1500 | SJ122103<br>SJ122104 | JACS-30412     | JAHL-30412            |                  |
| DX07S016JA3R1500 | SJ122205<br>SJ122206 | JACS-30413     | JAHL-30413            |                  |

### 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

\* The specifications in this brochure are subject to change without notice. Please contact JAE for information.