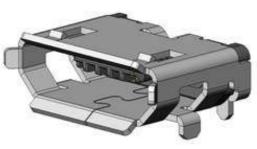


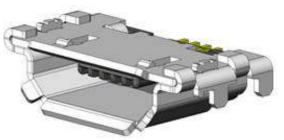


CONNECTOR MB-0187-3 December 2014



On-board Type

# **RoHS Compliant**



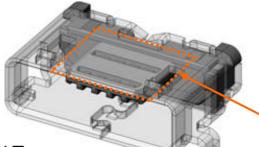
Mid-mount Type

The DX4 Series is a set of connectors compatible with the Micro-USB type USB 2.0 for small devices standardized by the USB Implementers Forum, Inc.

#### Features

 $N \vdash W$ 

- ■Compatible with Universal Serial Bus Micro-USB Cables and Connectors Specification, Revision 1.01.
- Connector type: USB 2.0 compatible, Micro types
- ■Au plating over Pd-Ni alloy is used for mating cycle durability and long product life.
- ■Superior rigidity with high-strength stainless steel shell.
- ■Available in a variety of versions to suit diverse device configurations.
- Two-piece shell structure for mid-mount type to prevent contact failure due to flux scattering during reflow.
- Available in reinforced type, with reinforcement plate set in mating area to prevent damage from plug caused by misaligned mating. (Refer to drawing below)



Reinforcement plate of mating area

### Mating Area Reinforced Type

\*In the above drawing the shell is transparent for illustration purposes to show the reinforcement plate.

General Specifications

No. of Contacts: 5 positionsContact Resistance:

■Dielectric Withstanding Voltage:

AC500Vrms per minute Insulation Resistance: 1000M ohm (initial) ■Rated Current: DC1.8A (Vbus, GND) Others DC0.5A

■Rated Voltage: AC30Vrms

- Durability: 10,000 mating cycles
- ■Operating temperature:

-30 Deg. C to +80 Deg. C

### Materials and Finishes

Component	Material and Finish			
Insulator	Synthetic Resin			
Contact	Copper alloy / Contact area: Au flash plating over Pd-Ni alloy over Ni Terminal area: Au flash plating over Ni			
Shell	Stainless Steel / Sn plating over Ni			

\*For more information please refer to individual product drawings.

## **Ordering Information**

# <u>DX4 R 0 05 J J 2 R1800</u>

Series

DX4: USB2.0 Micro

R: Receptacle

Modification Code: #1

No. of Contacts: 5 pos.

Reel: 1800 pcs. / reel

Modification Code: #2

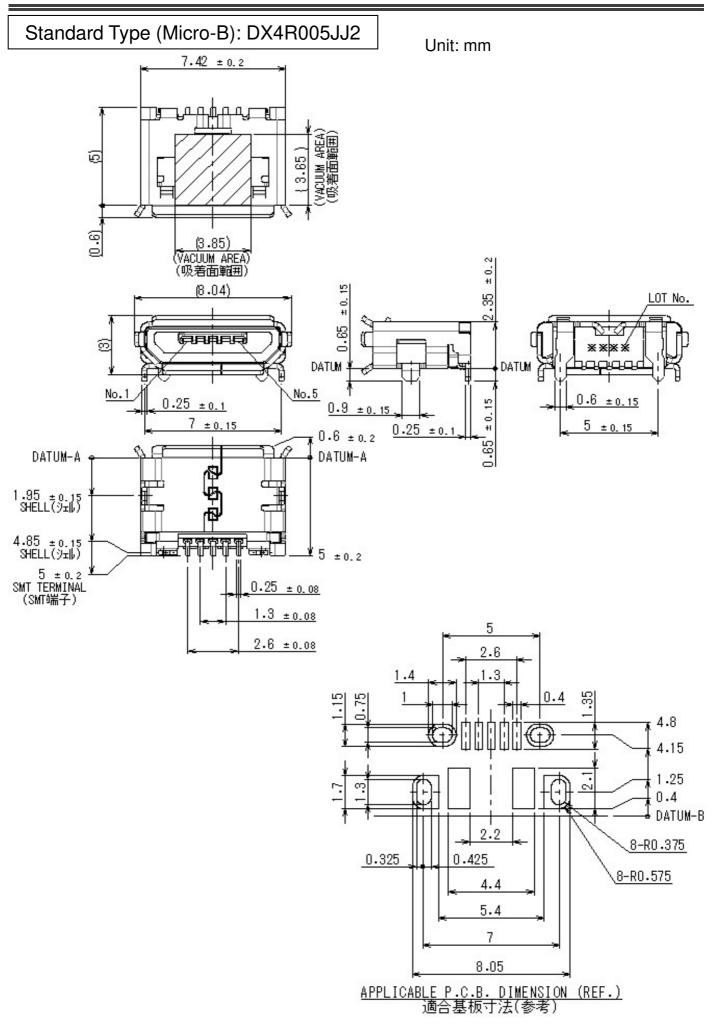
**Plating Specification** 

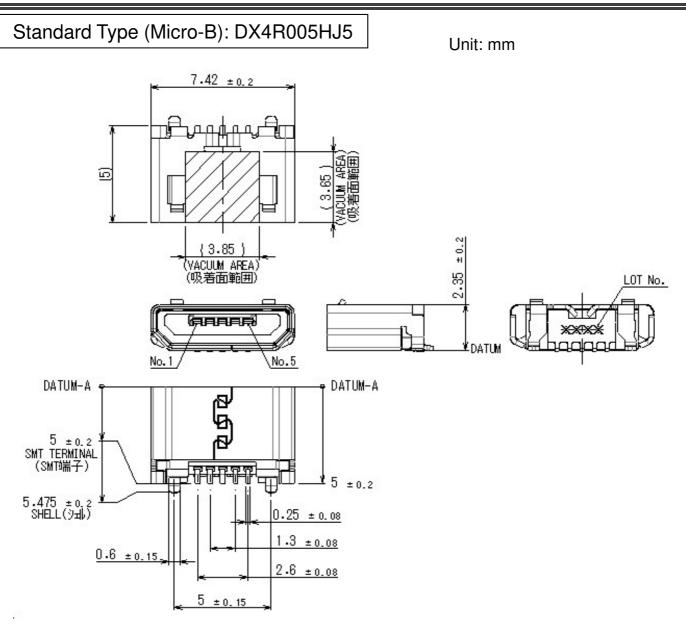
J: Contact area: Au flash over Pd-Ni alloy over Ni

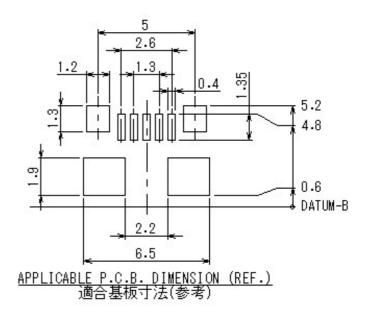
Board Connection Type (Shell area) J: Through-hole type, H: Hold-down type

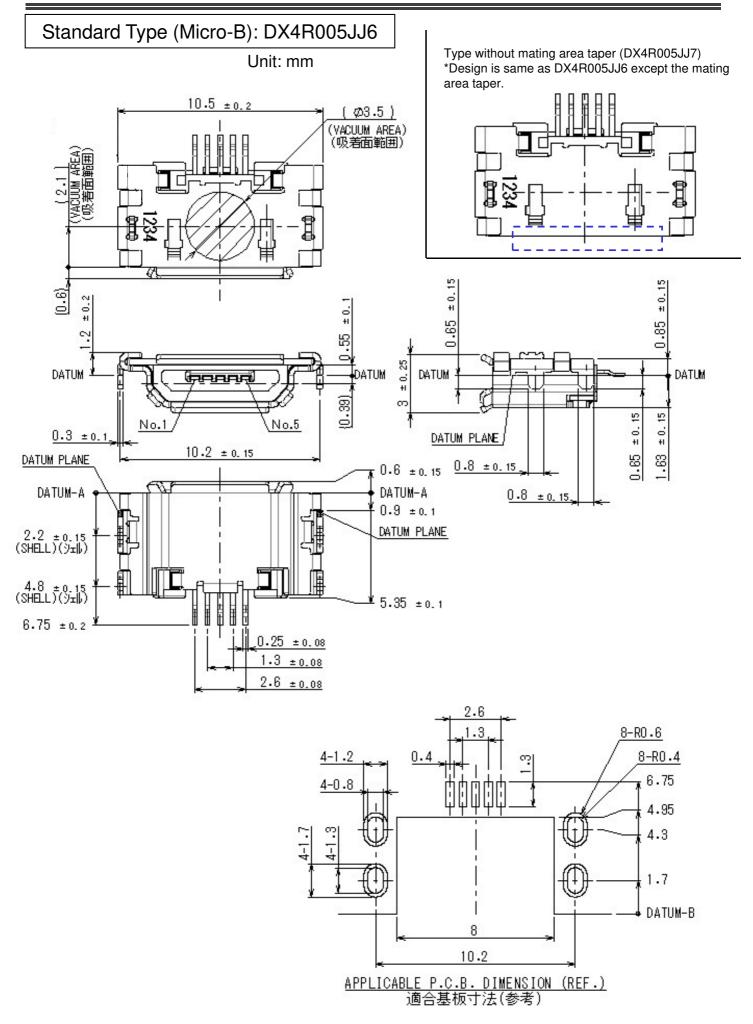
Micro-USB Connector Type	Part Number	SJ Drawing	Specificat ion	Mounting Type		Mating Taper	Mating Area Reinforcement Plate
Type B	DX4R005JJ2 (Individual Unit)	SJ110578	JACS-	On-board	Standard	Yes	No
	DX4R005JJ2R1800 (Reel Unit)	SJ110579	30162				
	DX4R005HJ5 (Individual Unit)	SJ111770	JACS-			No	
	DX4R005HJ5R2000 (Reel Unit)	SJ111771	30185				
	DX4R005JJ6 (Individual Unit)	SJ112420	JACS-	Mid-mount		Yes	(Standard Type)
	DX4R005JJ6R1500 (Reel Unit)	SJ112421	30251			res	
	DX4R005JJ7 (Individual Unit)	SJ112422	JACS-			No	
	DX4R005JJ7R1500 (Reel Unit)	SJ112423	30252				
	DX4RN05JJ3 (Individual Unit)	SJ112800	JACS-			No	Yes (Mating Area Reinforced Type)
	DX4RN05JJ3R2000 (Reel Unit)	SJ112801	30257				
	DX4R105JJC (Individual Unit)	SJ113218	JACS-		Reverse	Yes	
	DX4R105JJCR1800 (Reel Unit)	SJ113219	30281				
Type AB	DX4R205JJA (Individual Unit)	SJ112925	JACS-	On-board	Standard	No	
	DX4R205JJAR1800 (Reel Unit)	SJ112926	30267				
	DX4R305JJB (Individual Unit)	SJ112927	JACS-		Reverse		
	DX4R305JJBR1800 (Reel Unit)	SJ112928	30268				
	DX4R205JJ8 (Individual Unit)	SJ112802	JACS-	Mid mount	Standard	Yes	
	DX4R205JJ8R2000 (Reel Unit)	SJ112803	30258				
	DX4R205JJ9 (Individual Unit)	SJ112804	JACS-	Mid-mount		No	
	DX4R205JJ9R2000 (Reel Unit)	SJ112805	30259				

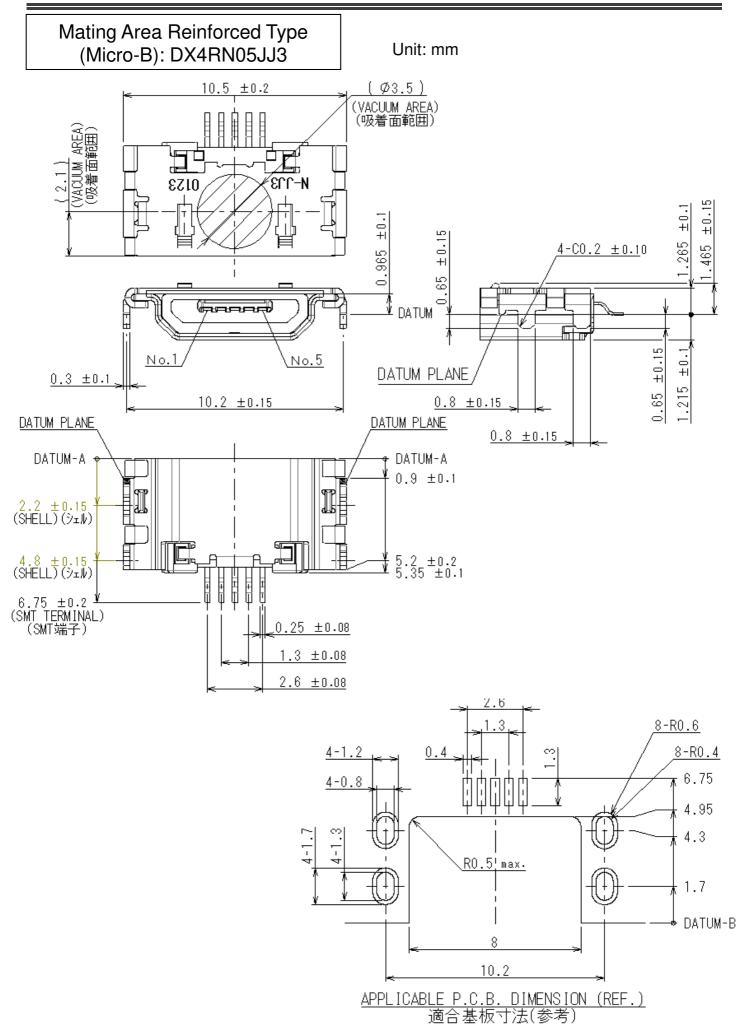
Note: Please place orders in reel units.

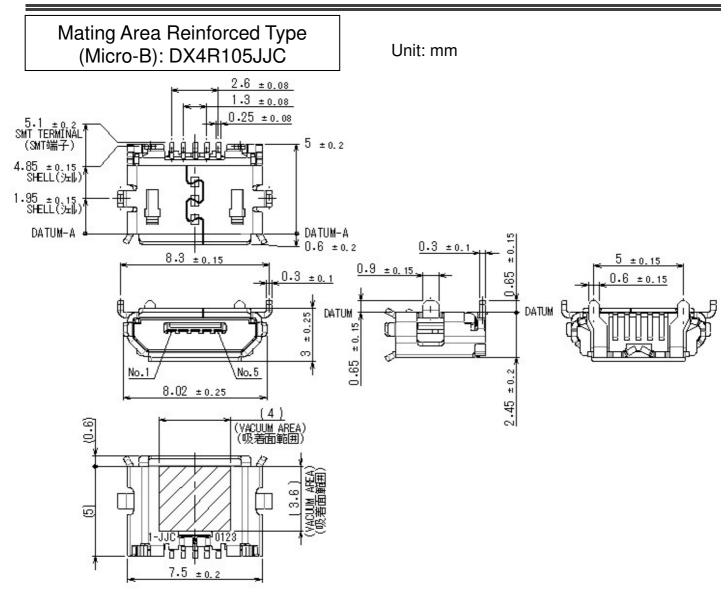


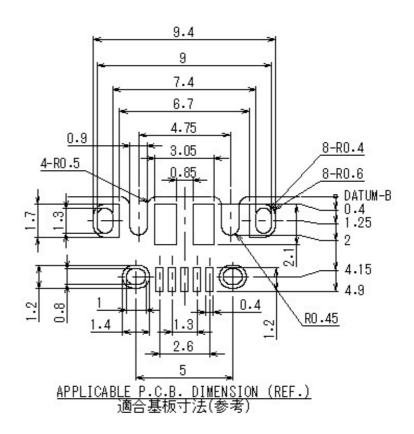




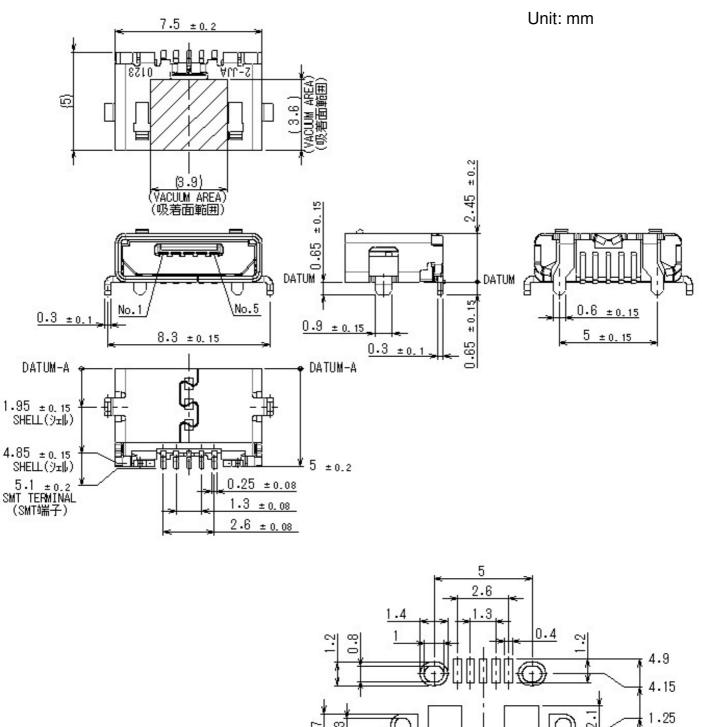


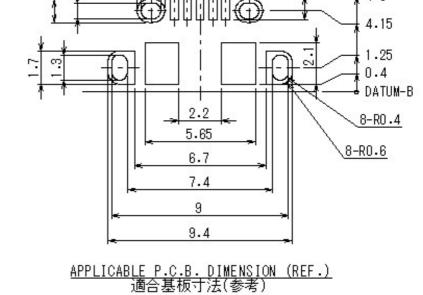


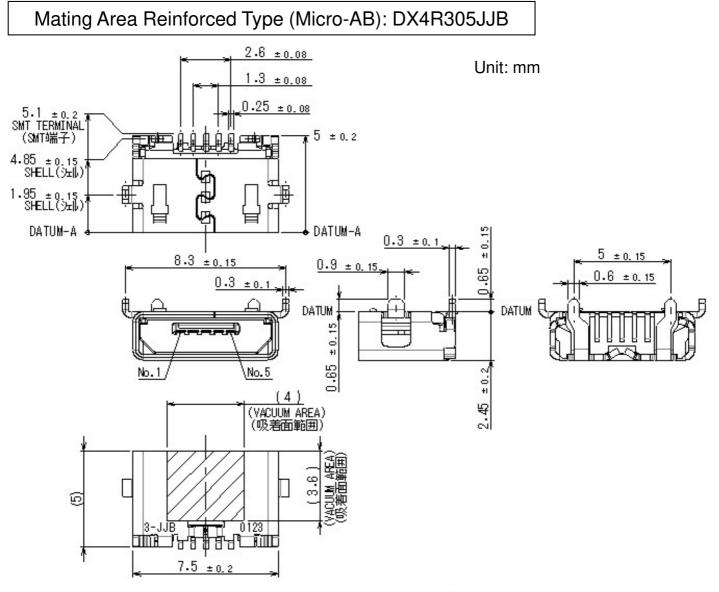


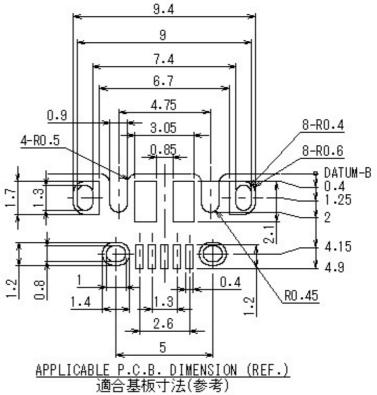


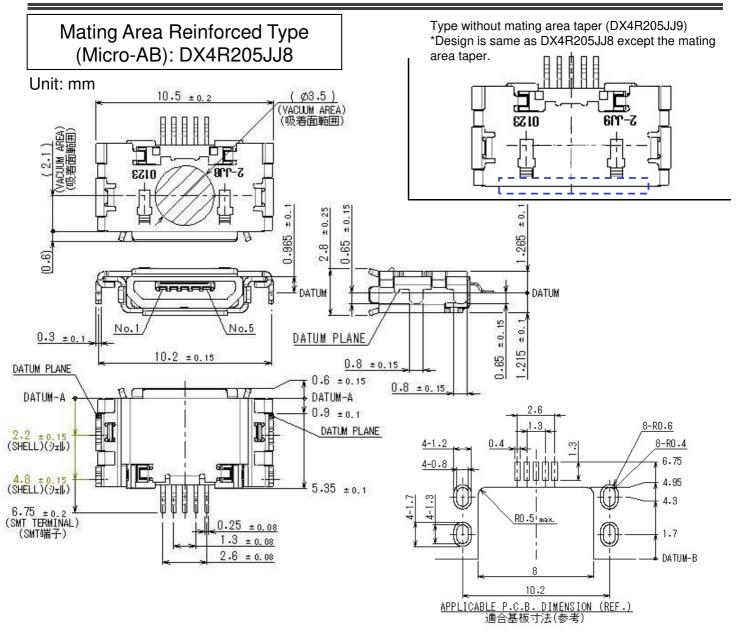
## Mating Area Reinforced Type (Micro-AB): DX4R205JJA











#### 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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