

**NEW**



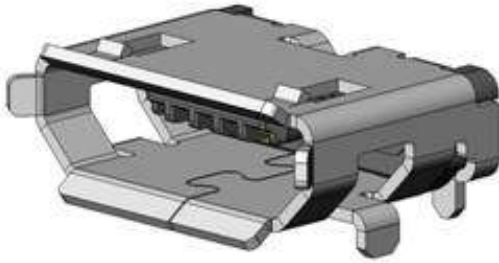
# USB 2.0 Compatible Micro Connectors DX4 Series

CONNECTOR

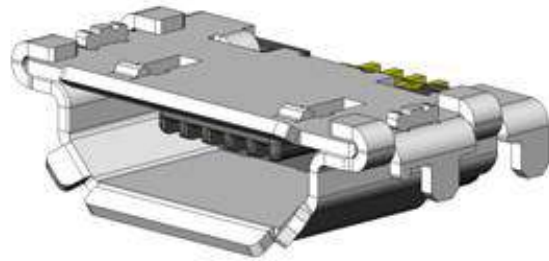
MB-0187-3

December 2014

**RoHS Compliant**



On-board Type

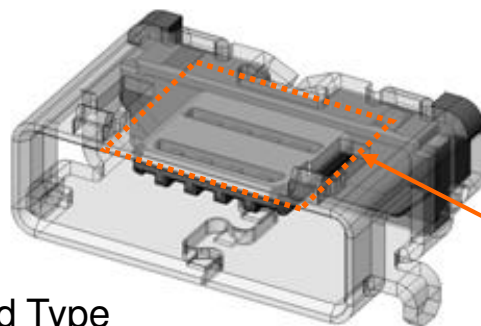


Mid-mount Type

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

- 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 positions                             | ■ Rated Current: DC1.8A (Vbus, GND)<br>Others DC0.5A |
| ■ Contact Resistance:<br>30m ohm max. (initial)            | ■ Rated Voltage: AC30Vrms                            |
| ■ Dielectric Withstanding Voltage:<br>AC500Vrms per minute | ■ Durability: 10,000 mating cycles                   |
| ■ Insulation Resistance: 1000M ohm (initial)               | ■ Operating temperature:<br>-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

# DX4 R 0 05 J J 2 R1800

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)

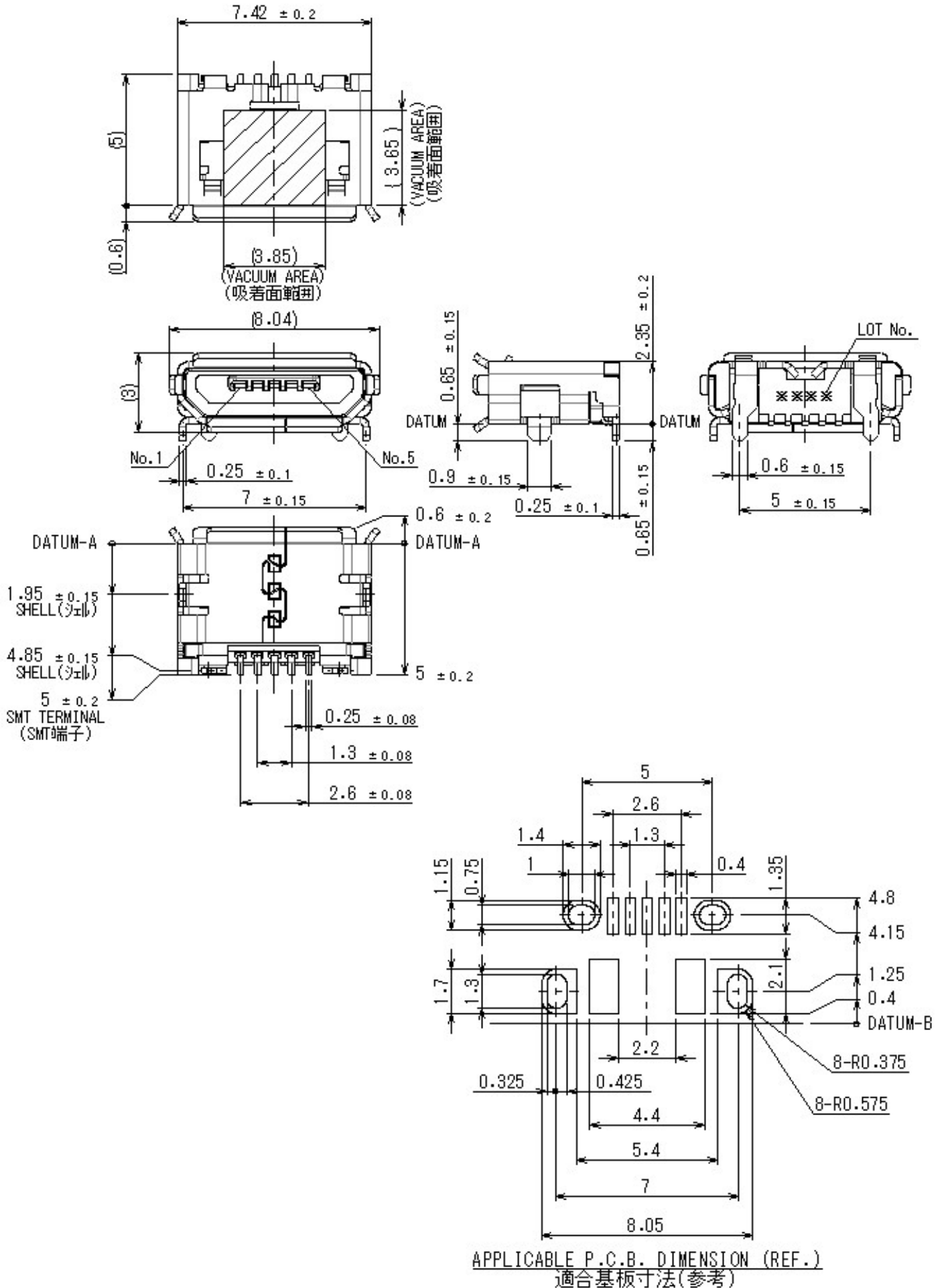
J: Through-hole type, H: Hold-down type

Micro-USB Connector Type	Part Number	SJ Drawing	Specification	Mounting Type		Mating Taper	Mating Area Reinforcement Plate
Type B	DX4R005JJ2 (Individual Unit)	SJ110578	JACS-30162	On-board		Yes	No (Standard Type)
	DX4R005JJ2R1800 (Reel Unit)	SJ110579					
	DX4R005HJ5 (Individual Unit)	SJ111770	JACS-30185			No	
	DX4R005HJ5R2000 (Reel Unit)	SJ111771					
	DX4R005JJ6 (Individual Unit)	SJ112420	JACS-30251	Mid-mount		Yes	
	DX4R005JJ6R1500 (Reel Unit)	SJ112421					
	DX4R005JJ7 (Individual Unit)	SJ112422	JACS-30252			No	
	DX4R005JJ7R1500 (Reel Unit)	SJ112423					
	DX4RN05JJ3 (Individual Unit)	SJ112800	JACS-30257			No	
	DX4RN05JJ3R2000 (Reel Unit)	SJ112801					
DX4R105JJC (Individual Unit)	SJ113218	JACS-30281		Reverse	Yes		
DX4R105JJC R1800 (Reel Unit)	SJ113219						
Type AB	DX4R205JJA (Individual Unit)	SJ112925	JACS-30267	On-board	Standard	No	Yes (Mating Area Reinforced Type)
	DX4R205JJAR1800 (Reel Unit)	SJ112926					
	DX4R305JJB (Individual Unit)	SJ112927	JACS-30268		Reverse		
	DX4R305JJBR1800 (Reel Unit)	SJ112928					
	DX4R205JJ8 (Individual Unit)	SJ112802	JACS-30258	Mid-mount	Standard	Yes	
	DX4R205JJ8R2000 (Reel Unit)	SJ112803					
	DX4R205JJ9 (Individual Unit)	SJ112804	JACS-30259			No	
DX4R205JJ9R2000 (Reel Unit)	SJ112805						

Note: Please place orders in reel units.

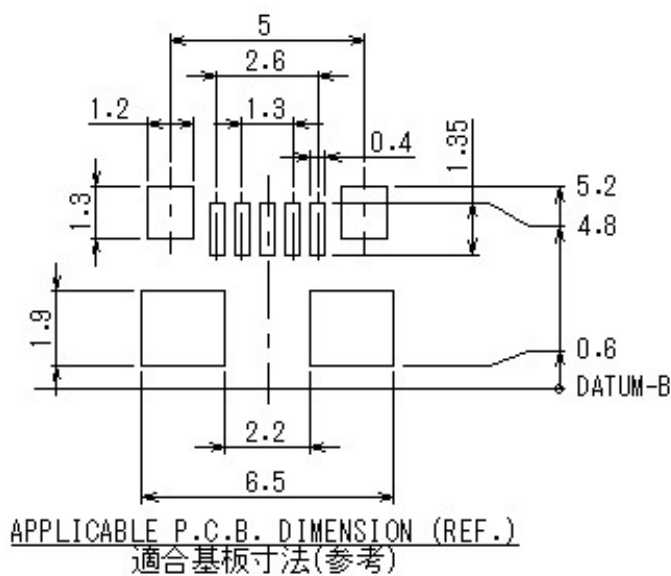
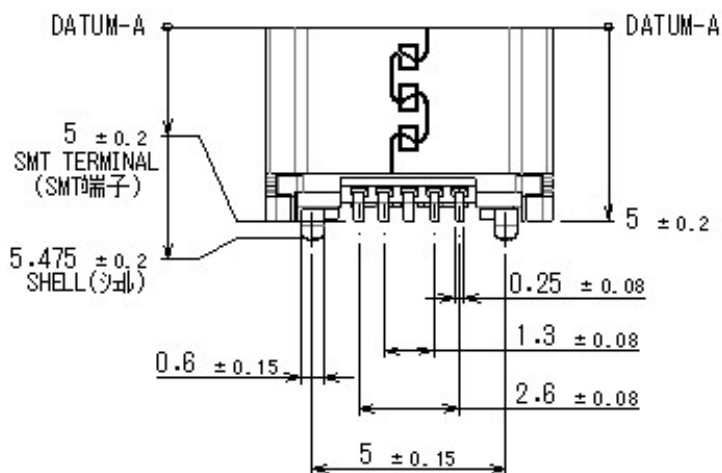
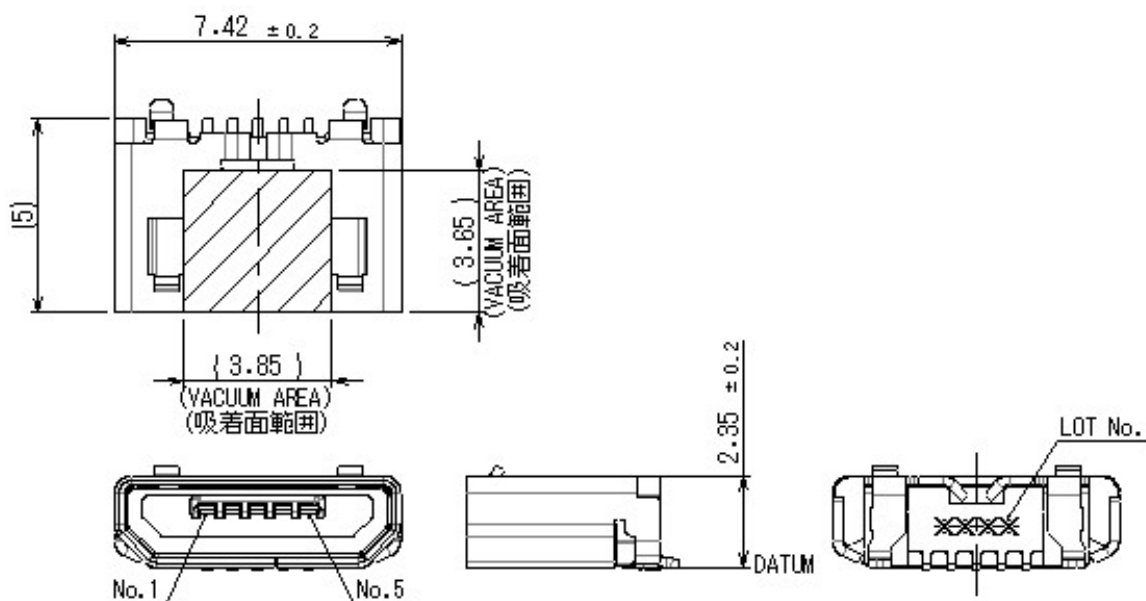
Standard Type (Micro-B): DX4R005JJ2

Unit: mm



Standard Type (Micro-B): DX4R005HJ5

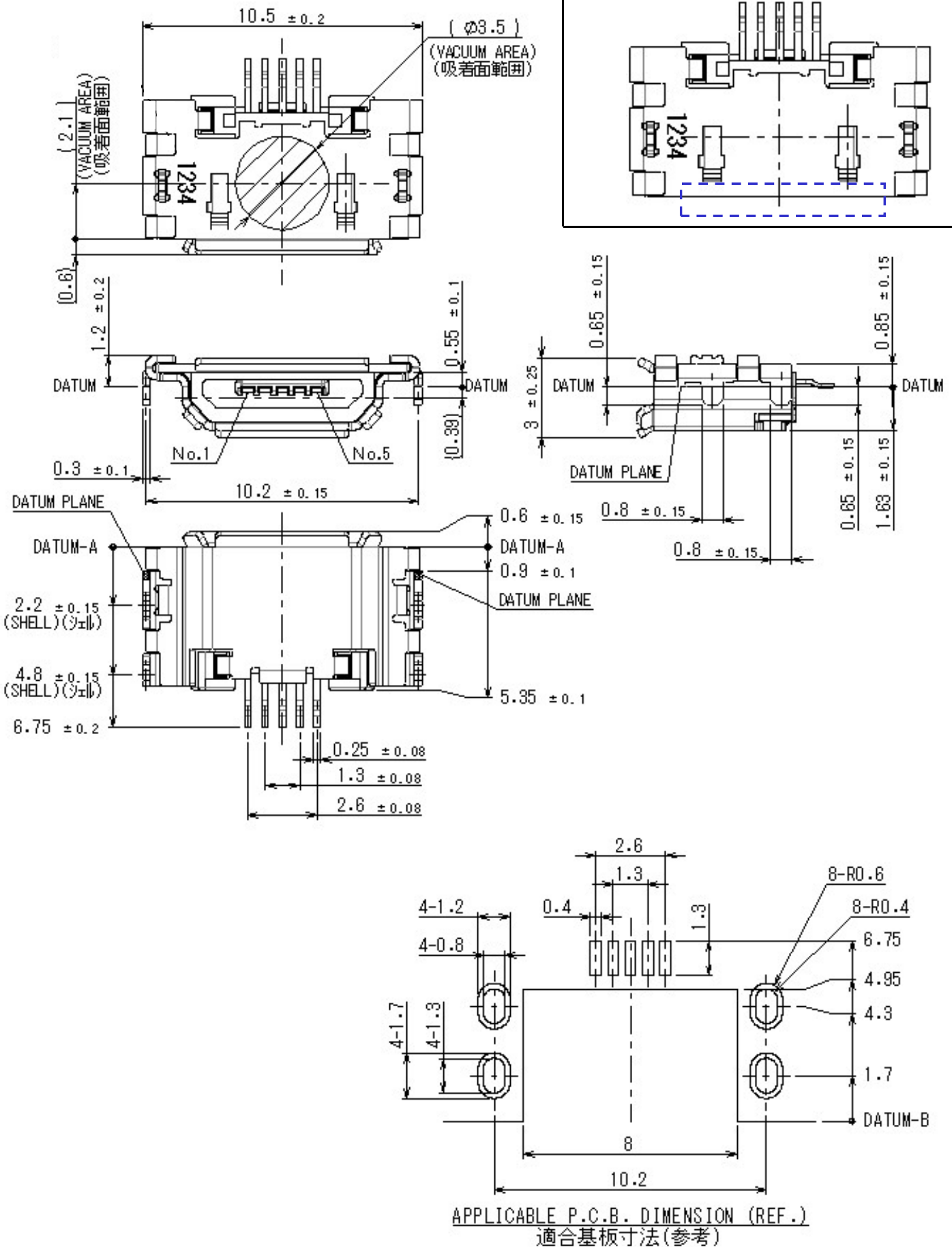
Unit: mm



Standard Type (Micro-B): DX4R005JJ6

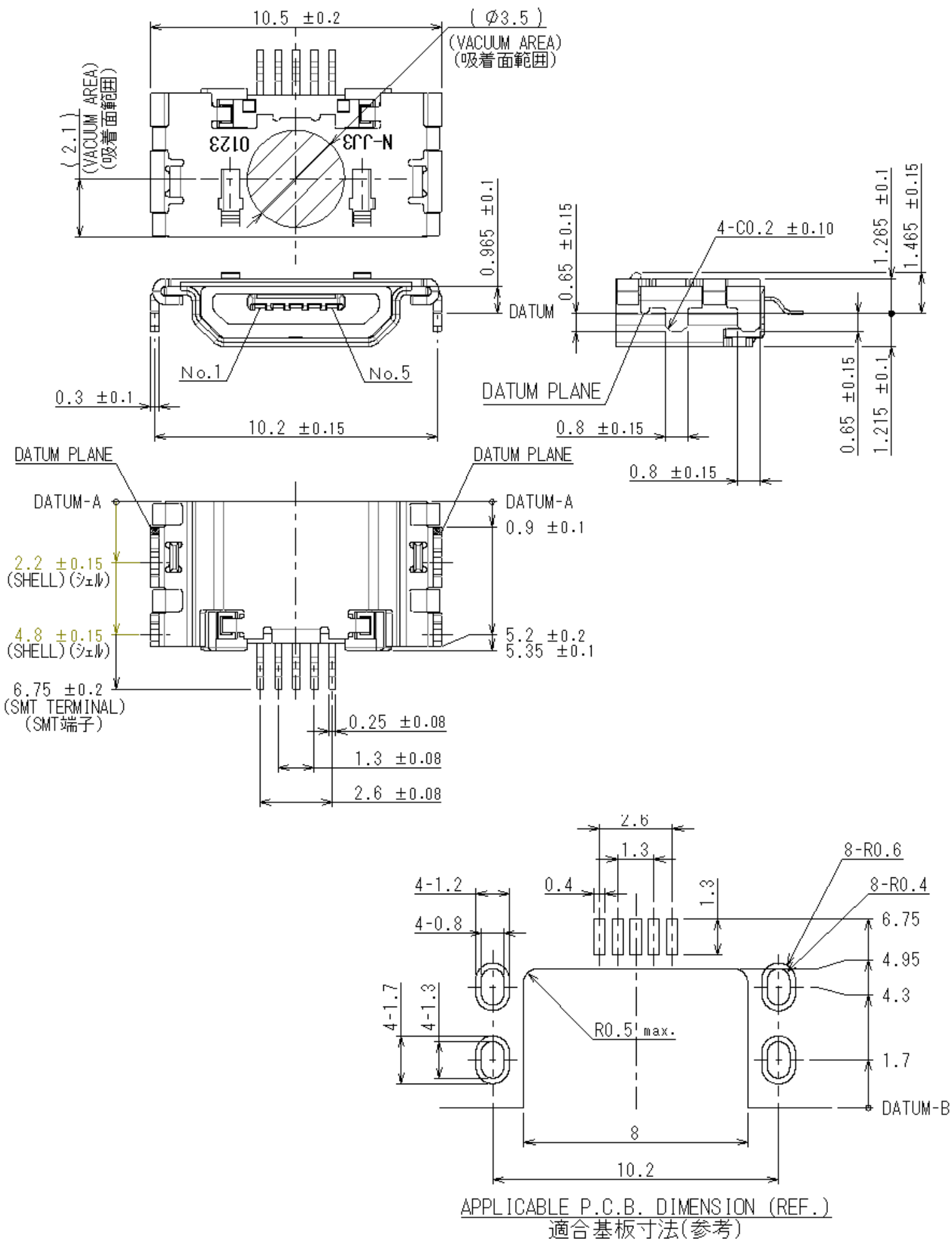
Unit: mm

Type without mating area taper (DX4R005JJ7)  
 \*Design is same as DX4R005JJ6 except the mating area taper.



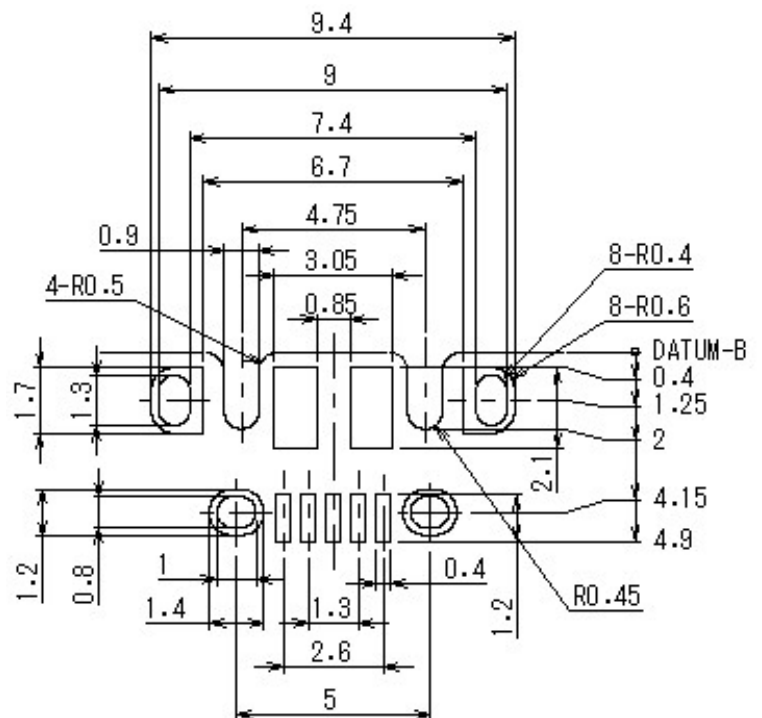
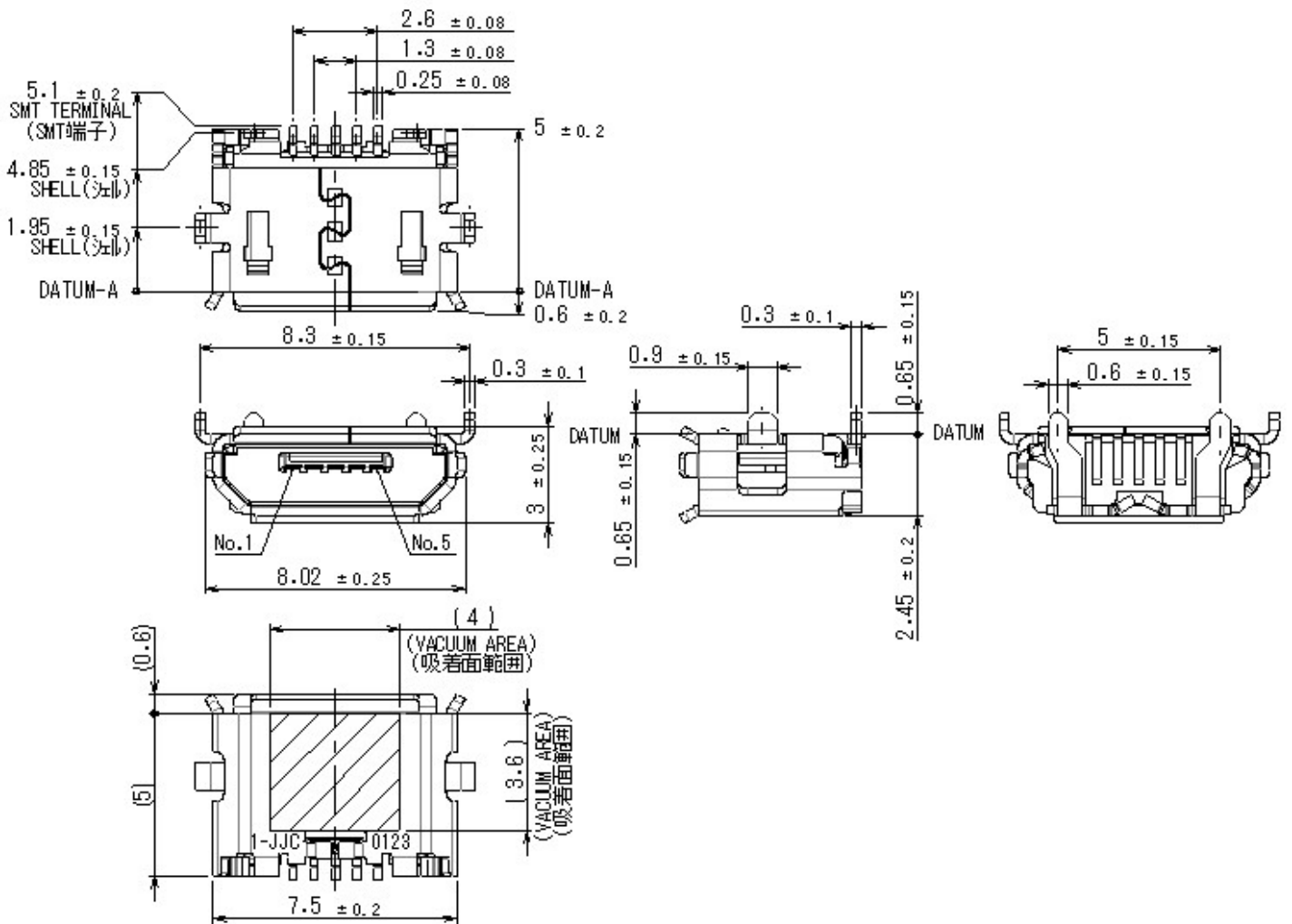
Mating Area Reinforced Type  
(Micro-B): DX4RN05JJ3

Unit: mm



Mating Area Reinforced Type  
(Micro-B): DX4R105JJC

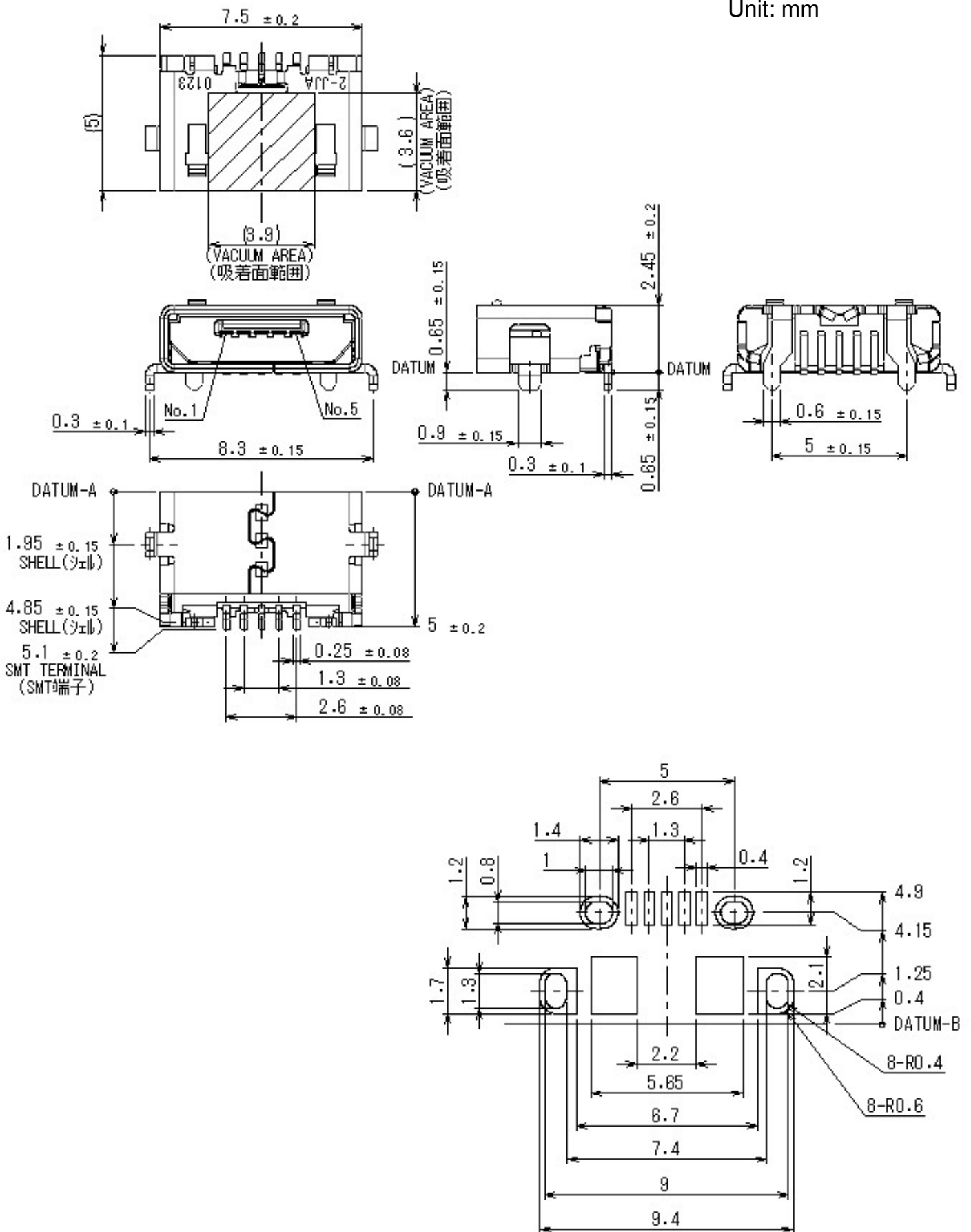
Unit: mm



APPLICABLE P.C.B. DIMENSION (REF.)  
適合基板寸法(参考)

Mating Area Reinforced Type (Micro-AB): DX4R205JJA

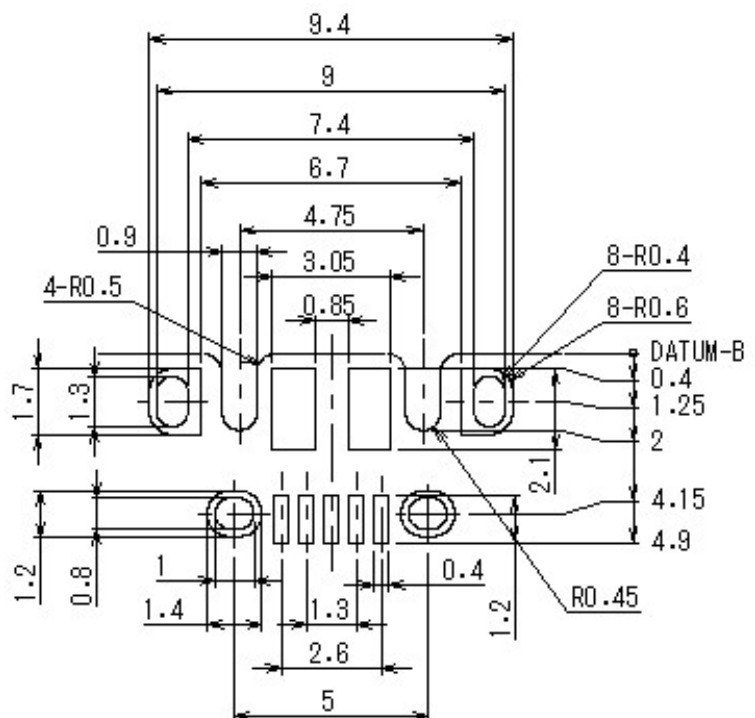
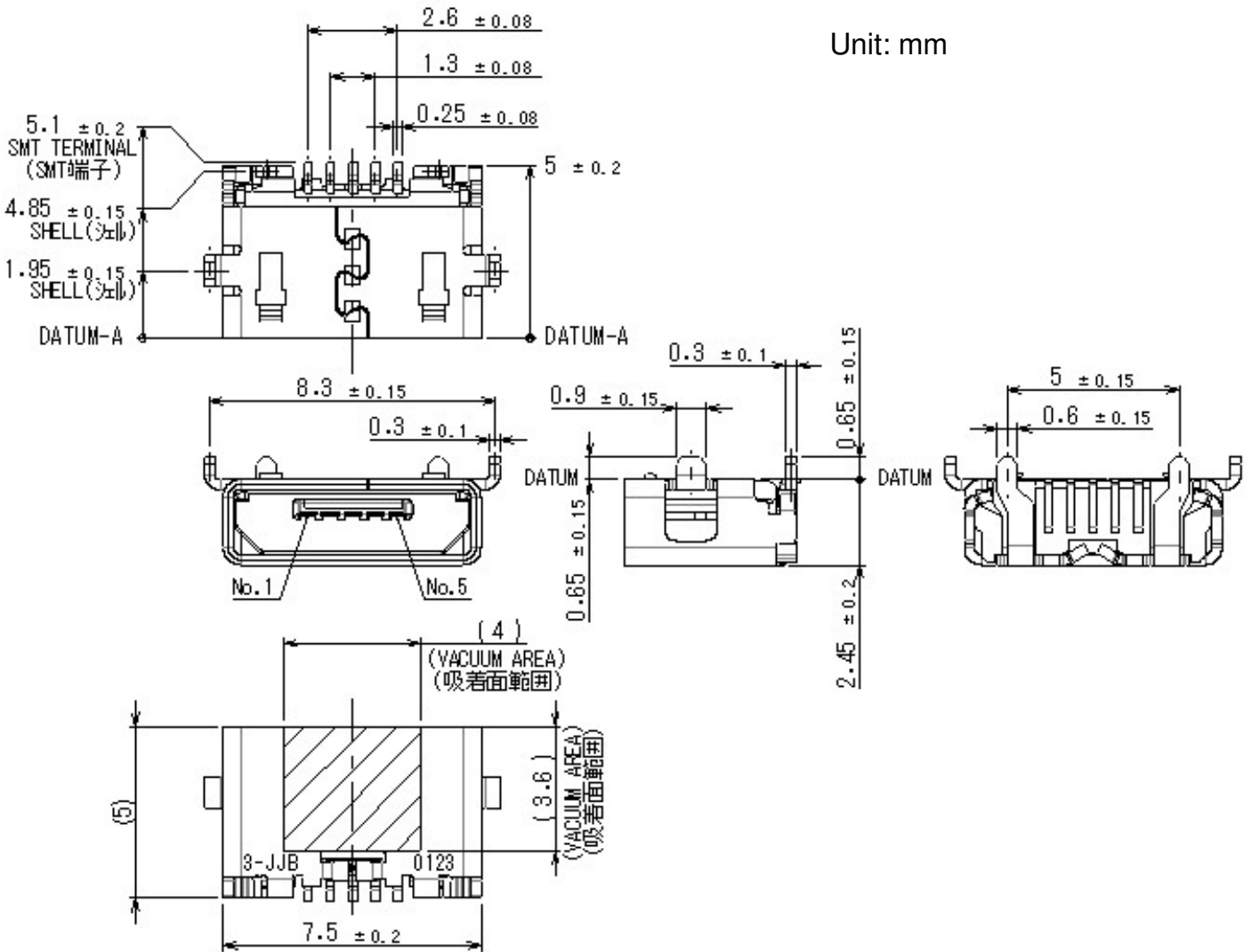
Unit: mm



APPLICABLE P.C.B. DIMENSION (REF.)  
適合基板寸法(参考)



Mating Area Reinforced Type (Micro-AB): DX4R305JJB



APPLICABLE P.C.B. DIMENSION (REF.)  
適合基板寸法(参考)

