

NEW



USB 2.0 Compatible Micro Connectors

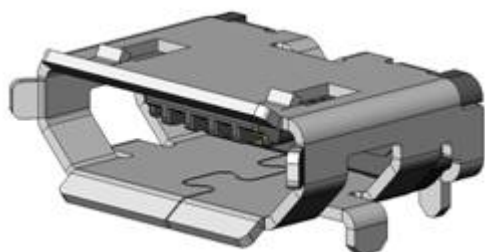
DX4 Series

CONNECTOR

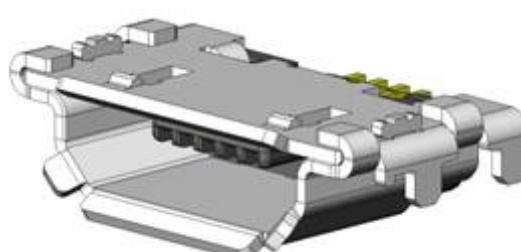
MB-0187-2

November 2012

RoHS Compliant



On-board Type

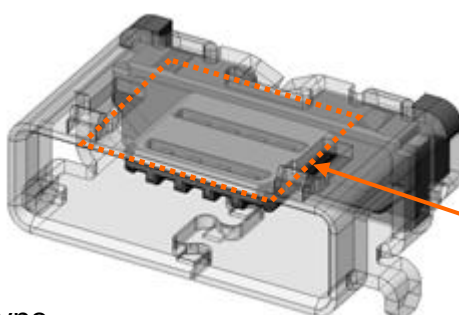


Mid-mount Type

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 over Ni 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: 1.8A (Vbus, GND) |
| ■Contact Resistance: | Others DC0.5A |
| 30m ohm max. (initial) | ■Rated Voltage: AC30Vrms |
| ■Dielectric Withstanding Voltage: | ■Durability: 10,000 mating cycles |
| AC500Vrms per minute | ■Operating temperature: |
| ■Insulation Resistance: 1000M ohm (initial) | -30 Deg. C to +80 Deg. C |

Materials and Finishes

Component	Material and Finish
Insulator	Synthetic Resin
Contact	Copper alloy / Contact area: Au plating over Pd 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 plating over Pd over Ni

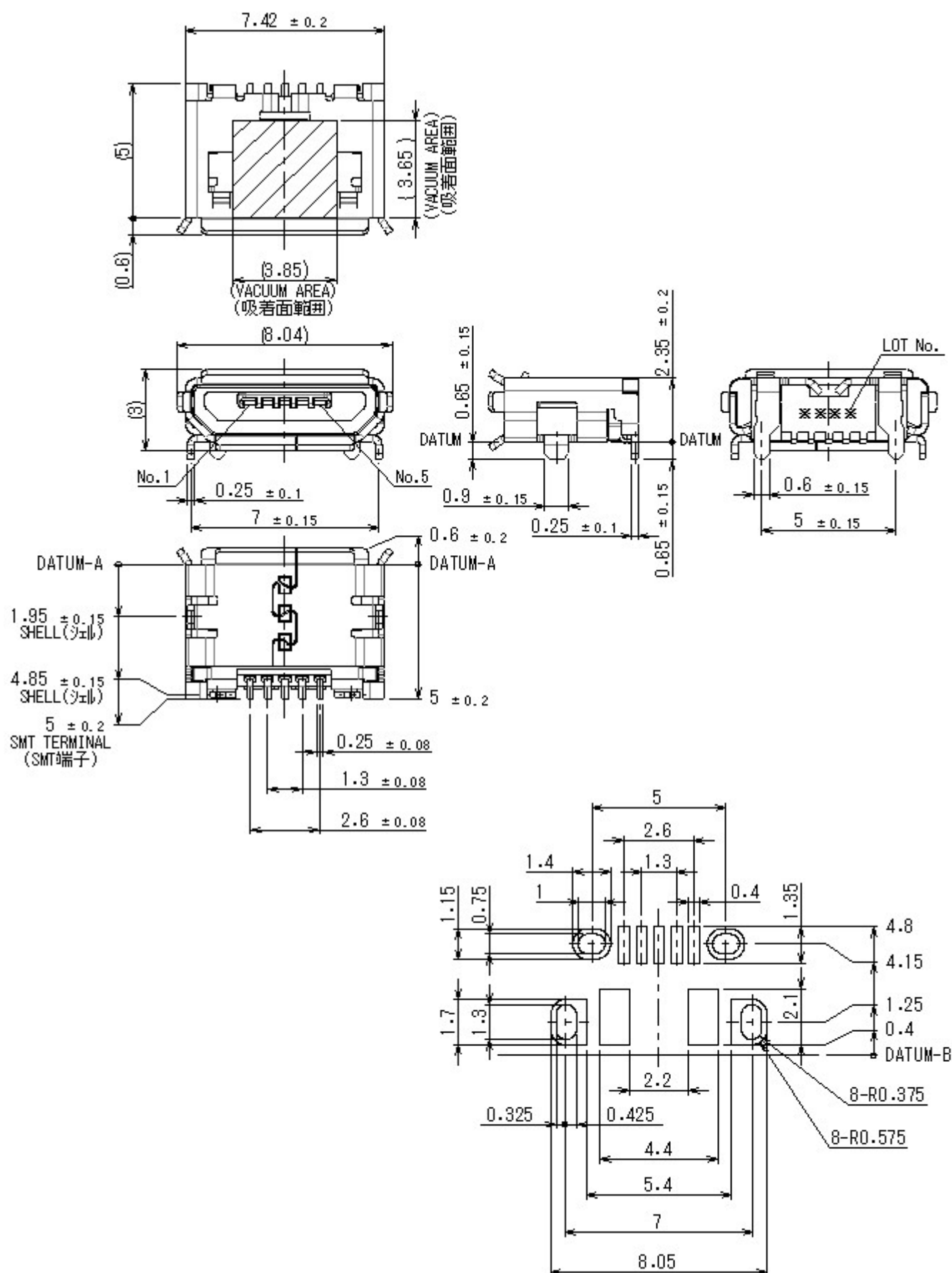
Board Connection Type (Shell area)

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	Standard	Yes	No (Standard Type)
	DX4R005JJ2R1800 (Reel Unit)	SJ110579				No	
	DX4R005HJ5 (Individual Unit)	SJ111770	JACS-30185	Yes			
	DX4R005HJ5R2000 (Reel Unit)	SJ111771		No			
	DX4R005JJ6 (Individual Unit)	SJ112420	JACS-30251	Yes		Yes (Mating Area Reinforced Type)	
	DX4R005JJ6R1500 (Reel Unit)	SJ112421		No			
	DX4R005JJ7 (Individual Unit)	SJ112422	JACS-30252	Mid-mount			No
	DX4R005JJ7R1500 (Reel Unit)	SJ112423					Yes
	DX4RN05JJ2 (Individual Unit)	SJ112296	JACS-30247-1			No	
	DX4RN05JJ2R2000 (Reel Unit)	SJ112297				Yes	
DX4RN05JJ3 (Individual Unit)	SJ112800	JACS-30257	Reverse		No		
DX4RN05JJ3R2000 (Reel Unit)	SJ112801				Yes		
DX4R105JJ2 (Individual Unit)	SJ113218	JACS-30281			Standard	Yes	
DX4R105JJ2R1800 (Reel Unit)	SJ113219					No	
DX4R205JJA (Individual Unit)	SJ112925	JACS-30267				On-board	No
DX4R205JJAR1800 (Reel Unit)	SJ112926						Yes
DX4R305JJB (Individual Unit)	SJ112927	JACS-30268		Mid-mount		No	
DX4R305JJBR1800 (Reel Unit)	SJ112928					Yes	
DX4R205JJ8 (Individual Unit)	SJ112802	JACS-30258				Standard	No
DX4R205JJ8R2000 (Reel Unit)	SJ112803						Yes
DX4R205JJ9 (Individual Unit)	SJ112804	JACS-30259	Mid-mount				No
DX4R205JJ9R2000 (Reel Unit)	SJ112805						Yes

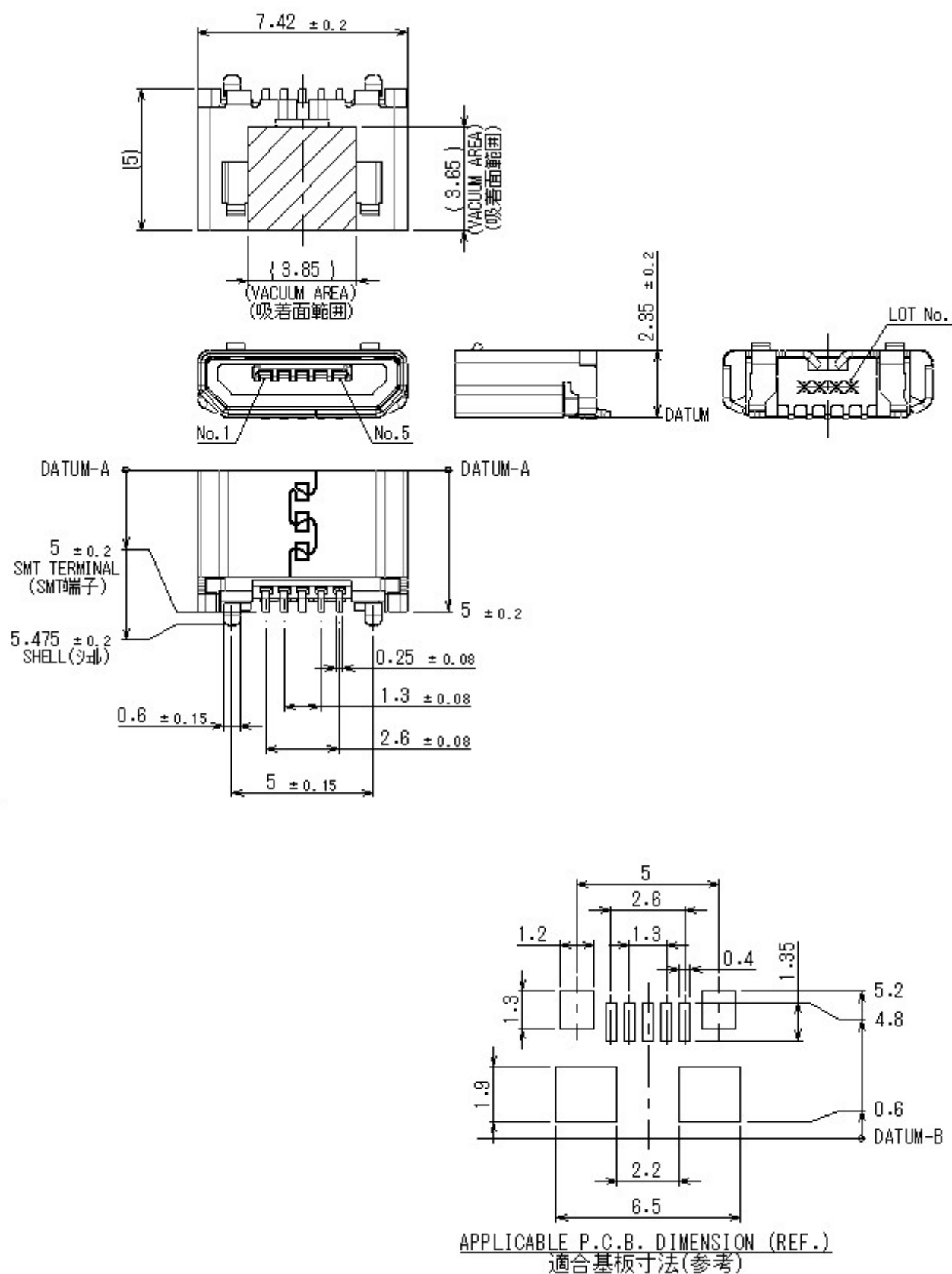
Note: Please place orders in reel units.

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

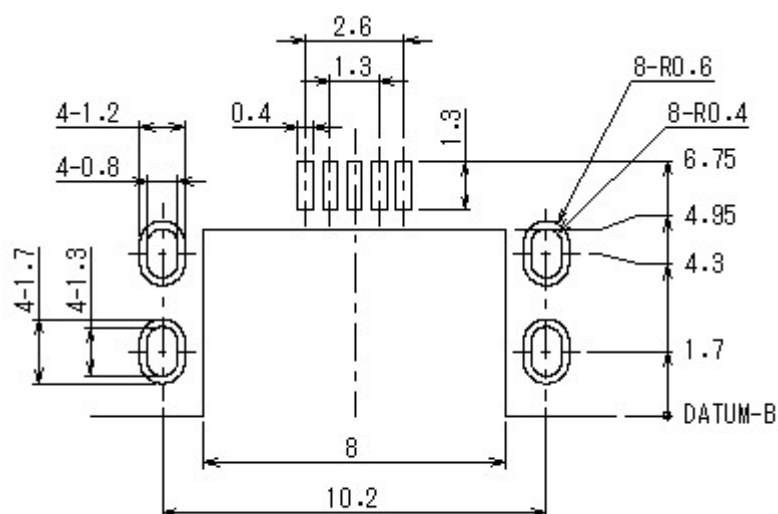
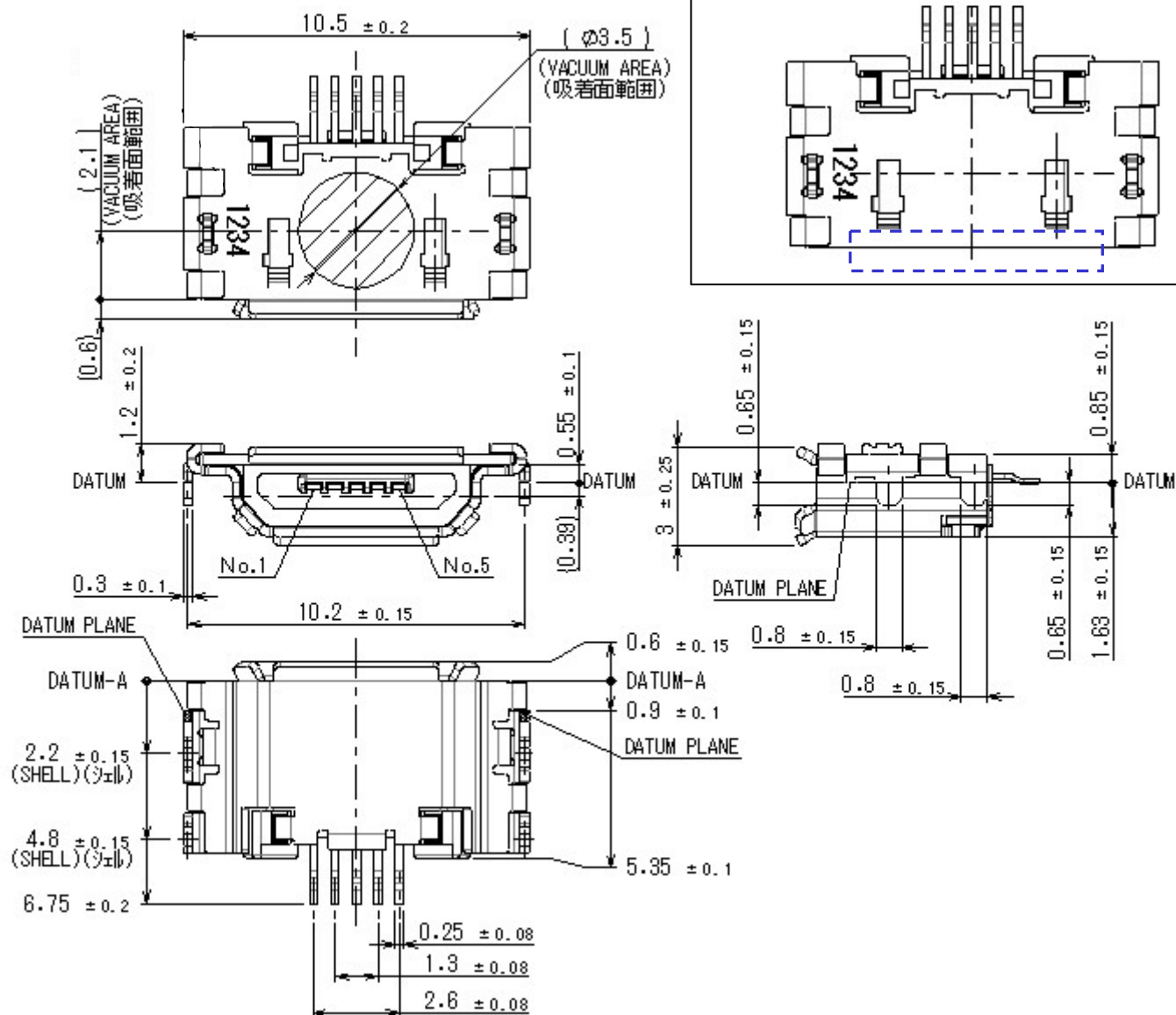
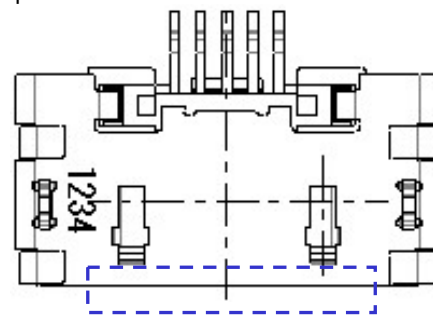


Standard Type (Micro-B): DX4R005HJ5

Unit: mm



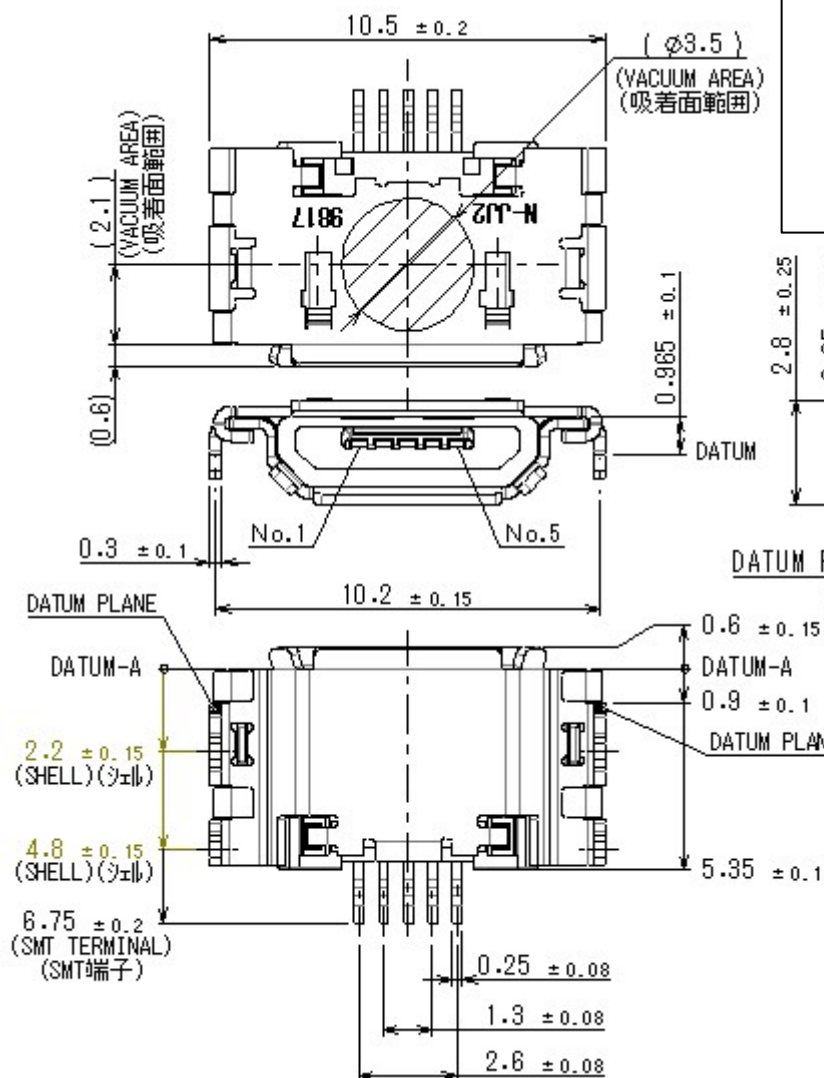
Type without mating area taper (DX4R005JJ7)
*Design is same as DX4R005JJ6 except the mating area taper.



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

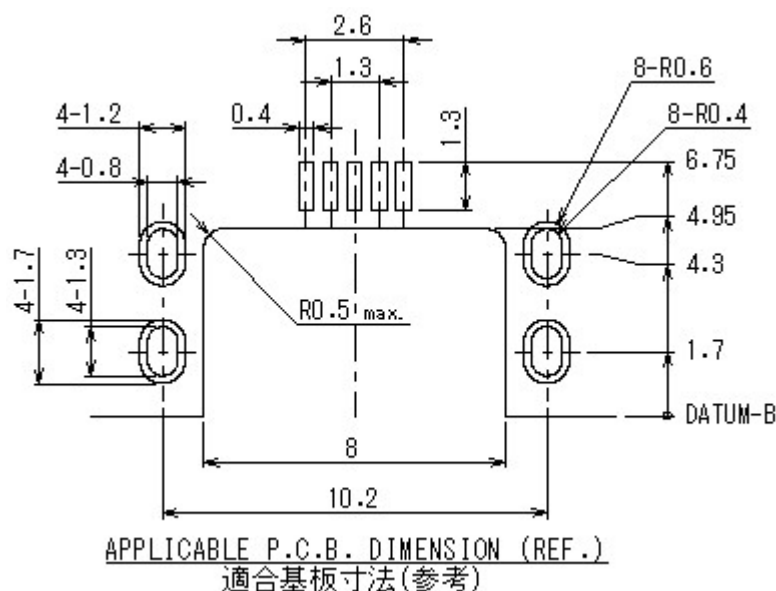
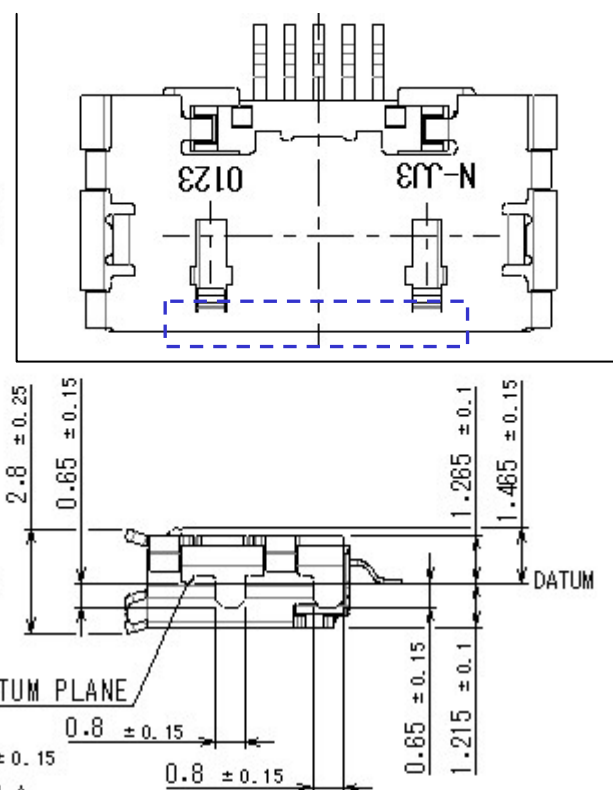
Mating Area Reinforced Type (Micro-B): DX4RN05JJ2

Unit: mm

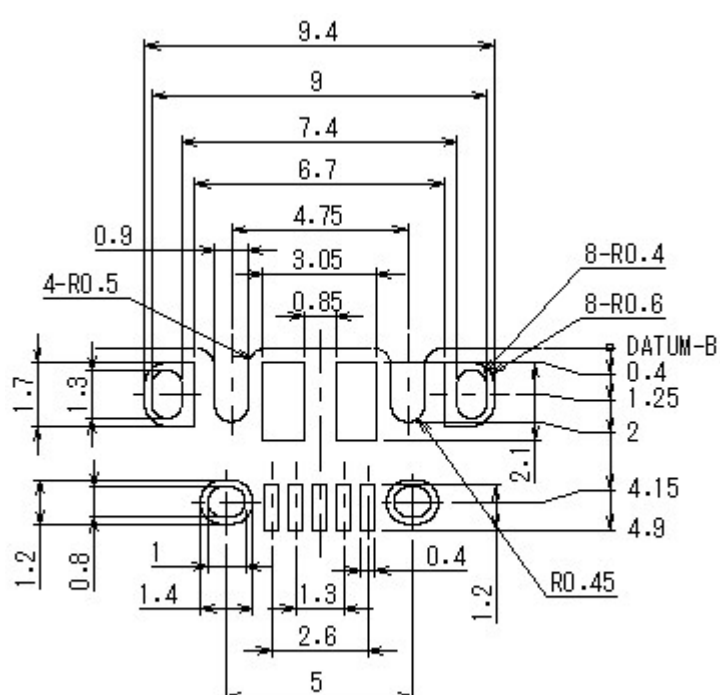


Type without mating area taper (DX4RN05JJ3)

*Design is same as DX4RN05JJ2 except the mating area taper.



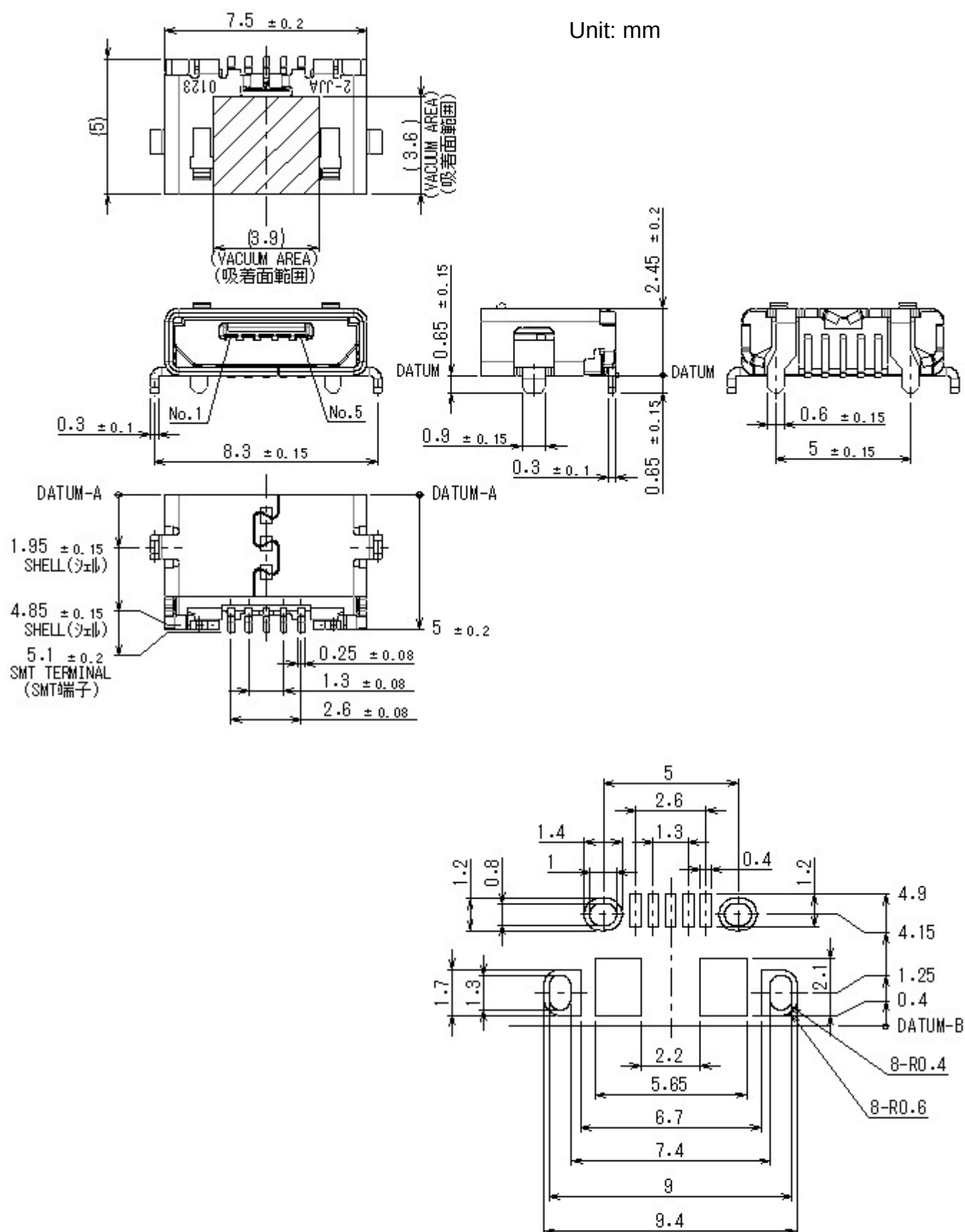
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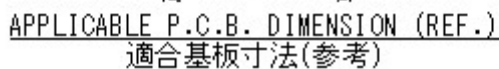
APPLICABLE P.C.B. DIMENSION (REF.)
適合基板寸法(参考)

Mating Area Reinforced Type (Micro-AB): DX4R205JJA

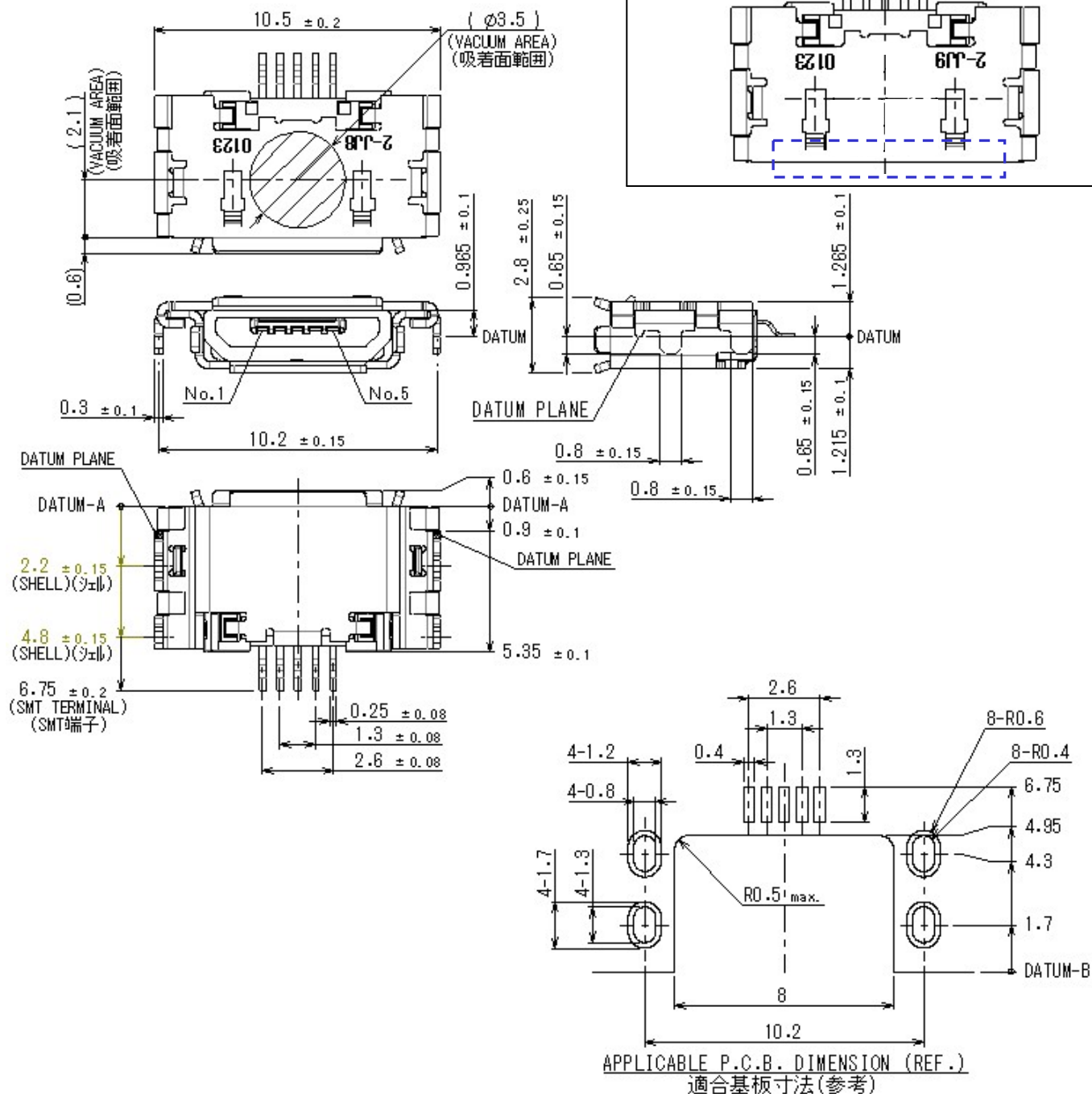
Unit: mm



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



Mating Area Reinforced Type (Micro-AB): DX4R205JJ8



Type without mating area taper (DX4R205JJ9)
*Design is same as DX4R205JJ8 except the mating area taper.

Notice: Units shown in this brochure are made for the applications listed below. However, if the above-mentioned Units are to be used in aerospace devices, marine cable-connection devices, atomic power control systems, medical equipment for life-support systems, or any other specific application requiring extremely high reliability, please contact JAE for further information.

Recommended applications: Computers, Office machines, Measuring devices, Telecommunication devices (Terminals, Mobile devices), AV devices, Household applications, FA devices, etc.

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

Mouser Electronics

Authorized Distributor

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[DX4R205JJ8R2000](#) [DX4R105JJCR1800](#) [DX4R005HJ5R2000](#) [DX4R005JJ2R1800](#) [DX4R005JJ7R1500](#)
[DX4R205JJAR1800](#)