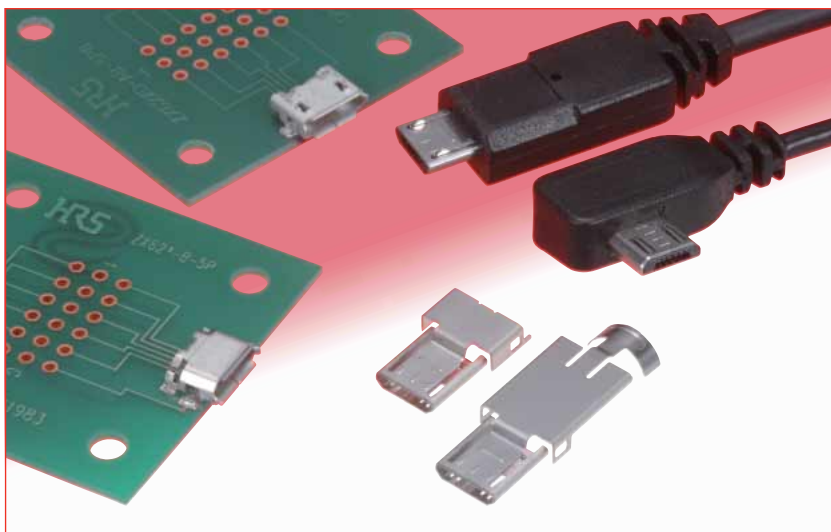


# Micro-USB connectors meeting requirements of USB 2.0 Standard

## ZX Series



Note: Contact us to ascertain whether a TID number has been acquired for an individual product.

### Overview

Extremely small high reliability connectors complying with physical, electrical and environmental requirements of Micro-USB standard (USB 2.0).

Receptacles and plugs are available in a wide variety of mounting and termination configurations, permitting their use in various applications.

### Features

#### 1. Size reduction

Compared with the standard Mini-B connectors, the size of ZX connectors is reduced by approximately 60% while still allowing a high-speed data transfer of 480 Mbps, specified in USB 2.0.

#### 2. Receptacle styles

Two interface configurations: Micro-B and Micro-AB in standard, mid-mount and reverse mounting styles.  
SMT and through-hole (shell) PC board terminations

#### 3. Plug styles

Corresponding to the receptacle styles, two interface configurations: Micro-B and Micro-A, with direct wire or PCB wire soldering.  
Several plug styles can be used for data transmission, earphone or charging applications.

#### 4. High durability

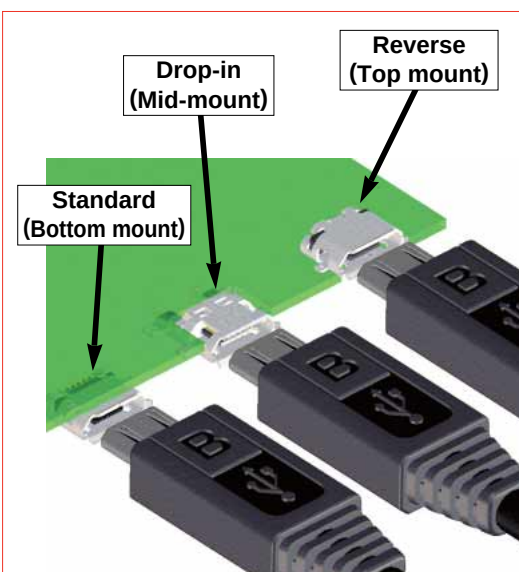
Unique contact and lock configuration assures high durability while maintaining easy insertion / disconnection. Fully mated condition (when mated with corresponding HRS connector) is confirmed by a definite tactile sensation

#### 5. RoHS compliant

All components and materials comply with the requirements of EU directive 20/95/EC

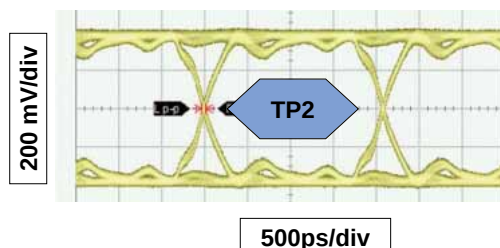
### Applications

Mobile phones, PDA, portable music players, digital cameras, digital camcorders and other applications requiring high reliability Micro-B interface connectors.



#### USB 2.0 Hi-Speed (480 Mbps)

Eye pattern measurement results:  
Measured with USB 2.0 cable 2.4 m long



## ZX Series Micro-USB connectors meeting requirements of USB 2.0 Standard

### Specifications

| Ratings | Current rating | 1 A (per contact) or<br>1.8 A (contacts No. 1 and 5) and<br>0.5 A (contacts No. 2, 3, and 4) | Voltage rating              | 30 V AC         |
|---------|----------------|----------------------------------------------------------------------------------------------|-----------------------------|-----------------|
|         |                |                                                                                              | Operating temperature range | -30°C to +85 °C |
|         |                |                                                                                              | Storage temperature range   | -30 °C to +85°C |

| Item                             | Specification                                             | Conditions                                         |
|----------------------------------|-----------------------------------------------------------|----------------------------------------------------|
| 1. Contact resistance            | 30 mΩ max.                                                | 100 mA                                             |
| 2. Withstanding voltage          | No flashover or insulation breakdown                      | 100 V AC / 1 minute                                |
| 3. Capacitance                   | 2 pF max.                                                 | Between adjacent contacts at 1,000 Hz (AC voltage) |
| 4. Durability                    | Contact resistance: Rise from initial value of 10 mΩ max. | 10,000 cycles                                      |
| 5. Total insertion/removal force | Insertion force: 35 N max., Removal force: 8 N min.       | Mated with corresponding connector                 |

### Materials

#### Receptacles

| Part      | Material        | Finish                         | Remarks |
|-----------|-----------------|--------------------------------|---------|
| Insulator | LCP             | Micro-B: Black, Micro-AB: Gray | UL94V-0 |
| Contacts  | Copper alloy    | Selective gold plated          | _____   |
| Shell     | Stainless steel | Tin alloy plating              | _____   |

#### Plugs

| Part        | Material        | Finish                         | Remarks |
|-------------|-----------------|--------------------------------|---------|
| Insulator   | Synthetic resin | Micro-A: White, Micro-B: Black | UL94V-0 |
| Contacts    | Copper alloy    | Selective gold plated          | _____   |
| Lock spring | Stainless steel | _____                          | _____   |
| Shell       | Stainless steel | Nickel plated or unfinished    | _____   |

### Ordering information

#### Receptacles

**ZX 62 RD - B - 5 P \* 8**  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

#### Plugs

**ZX 40 - B - 5 S \* - UNIT**  
 ① ② ④ ⑤ ⑥ ⑦ ⑨

**ZX 40 - B - SLDA**  
 ① ② ④ ⑨

|                                         |                                                                                                                                     |                                                                                                                                                   |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| ① Series name                           | ZX                                                                                                                                  |                                                                                                                                                   |
| ② Termination style                     | 10's: Right-angle PCB wire, SMT<br>20's: Straight, PCB wire<br>40's: Direct wire<br>60's: Right-angle, PCB wire<br>80's: Cradle SMT |                                                                                                                                                   |
| ③ Board mounting style (Receptacles)    | Blank<br>D<br>R<br>RD<br>M                                                                                                          | Standard (Bottom mount)<br>Standard (Bottom mount) through hole<br>Reverse (Top mount)<br>Reverse (Top mount) through hole<br>Drop-in (Mid-mount) |
| ④ Mating side configuration             | A<br>B<br>AB                                                                                                                        | Micro-A<br>Micro-B<br>Micro-AB                                                                                                                    |
| ⑤ Number of contacts                    | 5                                                                                                                                   |                                                                                                                                                   |
| ⑥ Contact type                          | P<br>S                                                                                                                              | Receptacle- Male<br>Plug – Female                                                                                                                 |
| ⑦ Serial No.                            |                                                                                                                                     |                                                                                                                                                   |
| ⑧ Shell termination style – Receptacles | Blank<br>8                                                                                                                          | SMT<br>Through hole (solder tab length: 0.8mm)                                                                                                    |
| ⑨ Components-plugs                      | UNIT<br>SLD*                                                                                                                        | Assembly (Insulator/contact/lock)<br>Cover (Note 1)                                                                                               |

Note 1: Classifiers such as A, B, and C are entered for \*.

### Product Styles Table

| Interface | Receptacle | Plug |
|-----------|------------|------|
| Micro-A   |            |      |
| Micro-B   |            |      |
| Micro-AB  |            |      |

## ■ Configurations

|             | Mating side configuration | Application       | Mounting, termination styles/wire attachment   | Part Number                                                                                                       | 3D Image     | Page      |
|-------------|---------------------------|-------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------|-----------|
| Receptacles | Micro-B                   | Standard          | SMT                                            | ZX62-B-5PA                                                                                                        |              | 4         |
|             |                           |                   | SMT + DIP                                      | ZX62D-B-5P8                                                                                                       |              | 4         |
|             |                           | Reverse           | SMT                                            | ZX62R-B-5P                                                                                                        |              | 5         |
|             |                           | Drop-in           | SMT                                            | ZX62M-B-5P                                                                                                        |              | 5         |
|             | Micro-AB                  | Standard          | SMT                                            | ZX62-AB-5PA                                                                                                       |              | 6         |
|             |                           |                   | SMT + DIP                                      | ZX62D-AB-5P8                                                                                                      |              | 6         |
|             |                           | Reverse           | SMT                                            | ZX62R-AB-5P                                                                                                       |              | 7         |
|             |                           |                   | SMT + DIP                                      | ZX62RD-AB-5P8                                                                                                     |              | 7         |
| Plugs       | Micro-B                   | Data              | Direct wire soldering                          | Assembly (insulator/contacts/lock): :ZX40-B-5S-UNIT(12)<br>Cover-top :ZX40-B-SLDA<br>Cover-bottom :ZX40-SLDB      |              | 9 and 10  |
|             |                           |                   | PCB wire soldering (right angle, through hole) | Assembly (insulator/contacts/lock): :ZX10-B-5S-UNIT(12)<br>Cover-top :ZX10-B-SLDA<br>Cover-bottom :ZX10-SLDB(3.3) |              | 11 and 12 |
|             |                           | Earphone          | PCB wire soldering (straight, through hole)    | Assembly (insulator/contacts/lock): :ZX20-B-5S-UNIT(12)<br>Cover :ZX20-B-SLDC                                     |              | 13        |
|             |                           | Charging          | PCB wire soldering (SMT)                       | Assembly (insulator/contacts/lock): :ZX64-B-5S-UNIT(14)<br>Cover-top :ZX64-B-SLDA<br>Cover-bottom :ZX64-SLDB      |              | 14 and 15 |
|             |                           | Charging Earphone | PCB wire soldering (SMT)                       | Assembly (insulator/contacts/lock): :ZX64-B-5S-UNIT(14)<br>Cover :ZX64-B-SLDC                                     |              | 14 and 16 |
|             | Micro-A                   | Data              | Direct wire soldering                          | Assembly (insulator/contacts/lock): :ZX40-A-5S-UNIT<br>Cover-top :ZX40-A-SLDA<br>Cover-bottom :ZX40-SLDB          |              | 17 and 18 |
| Cradles     | Micro-B                   | Cradle            | SMT + DIP                                      | ZX80-B-5S                                                                                                         | With lock    | 19        |
|             |                           |                   |                                                | ZX80-B-5SA                                                                                                        | Without lock | 19        |

Note: 1. Part numbers in the Plugs section of the above table list the Assembly (insulator/contacts/locks) and the corresponding Shields/Covers.

Note: 2. Optional Printed Circuit boards for the Plugs are shown for reference only. Not supplied with applicable connectors.

Note: 3. The color of the insulators body in the Assembly (insulator/contacts/lock) shown in the 3D Image column above is blue for clarity. Refer to the Materials (Page 2) for correct colors.

## ZX Series Micro-USB connectors meeting requirements of USB 2.0 Standard

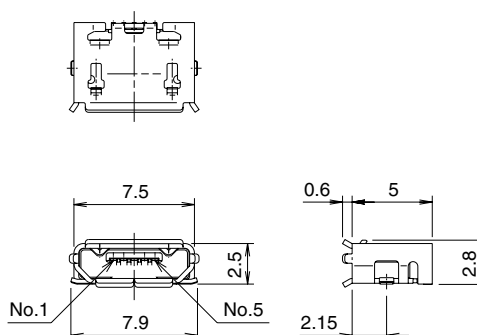
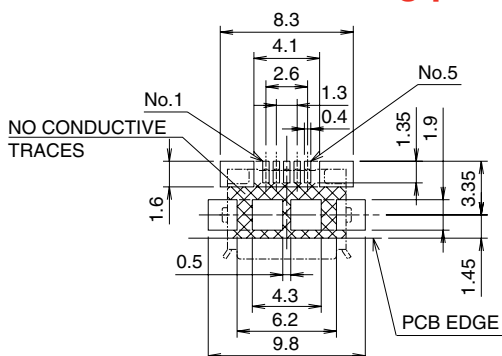
### ■Receptacles

#### ●Micro B - Standard (Bottom mount), Shell SMT



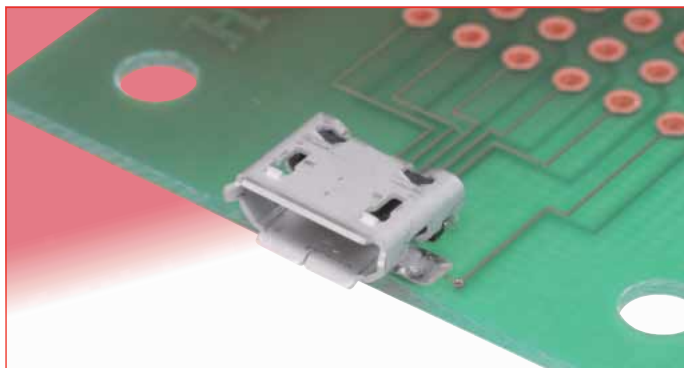
| Part Number | CL No.     | Packaging             | RoHS |
|-------------|------------|-----------------------|------|
| ZX62-B-5PA  | 242-0033-8 | 2,000 pieces per reel | YES  |

#### ◆Recommended PCB mounting pattern



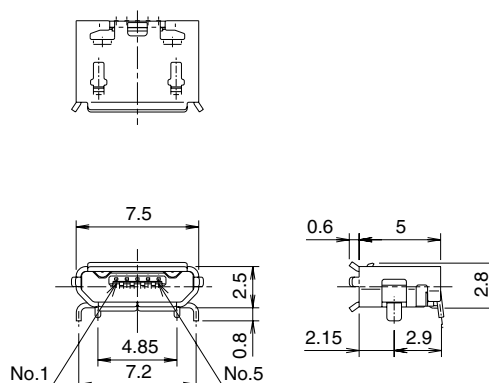
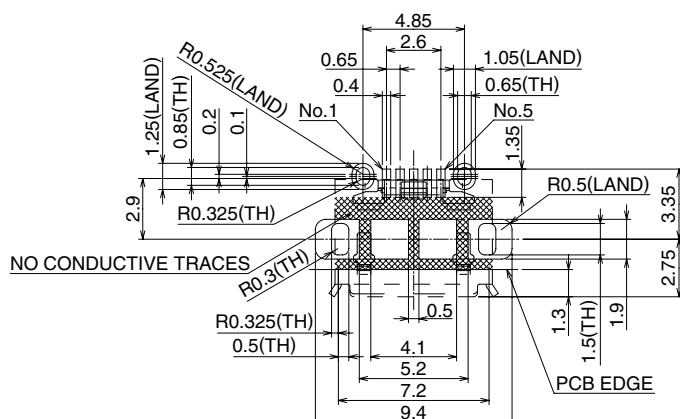
#### ●Micro B - Standard (Bottom mount), Shell through hole

All dimensions: mm



| Part Number | CL No.     | Packaging             | RoHS |
|-------------|------------|-----------------------|------|
| ZX62D-B-5P8 | 242-0034-0 | 2,000 pieces per reel | YES  |

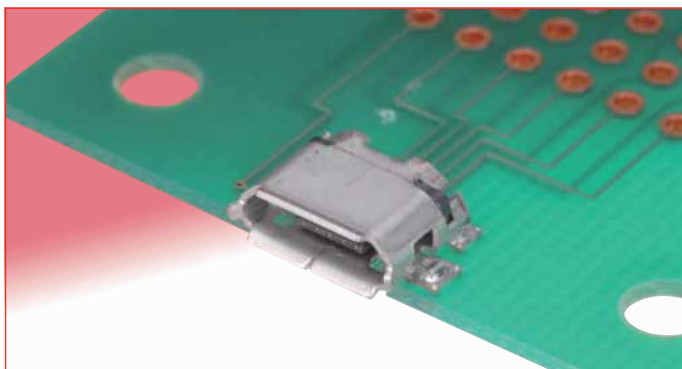
#### ◆Recommended PCB mounting pattern



All dimensions: mm

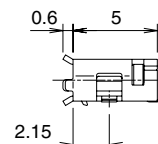
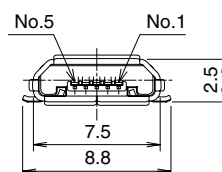
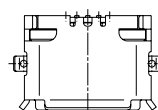
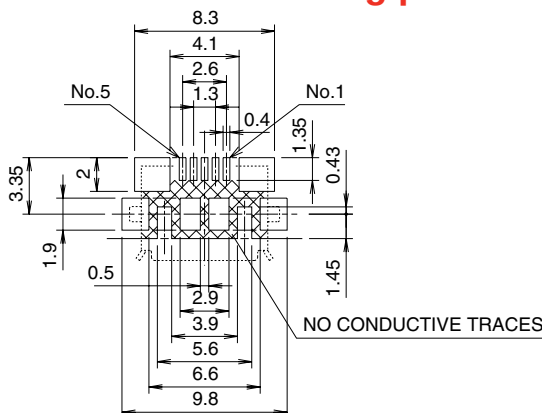
## Receptacles

### Micro B - Reverse (Top mount) Shell SMT



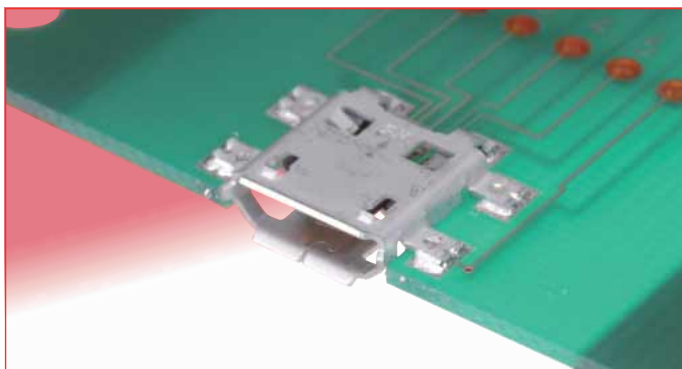
| Part Number | CL No.     | Packaging             | RoHS |
|-------------|------------|-----------------------|------|
| ZX62R-B-5P  | 242-0028-8 | 2,000 pieces per reel | YES  |

### Recommended PCB mounting pattern

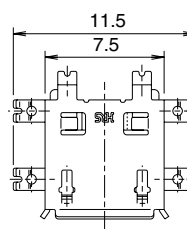


### Micro B - Drop-in (Mid-mount), Shell SMT

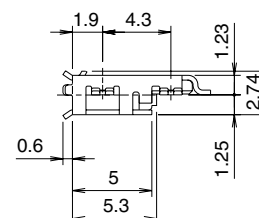
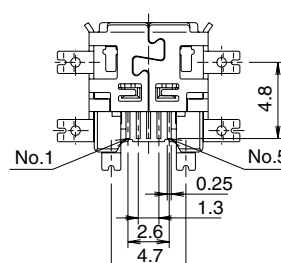
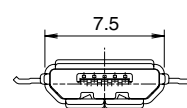
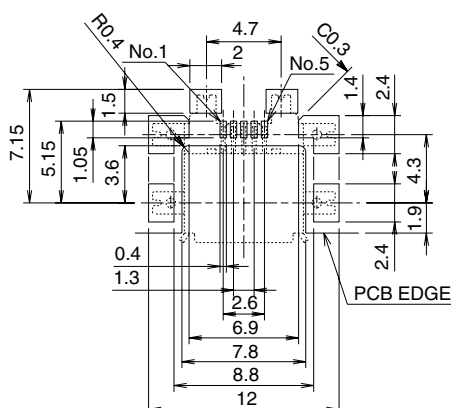
All dimensions: mm



| Part Number | CL No.     | Packaging             | RoHS |
|-------------|------------|-----------------------|------|
| ZX62M-B-5P  | 242-0024-7 | 2,000 pieces per reel | YES  |



### Recommended PCB mounting pattern



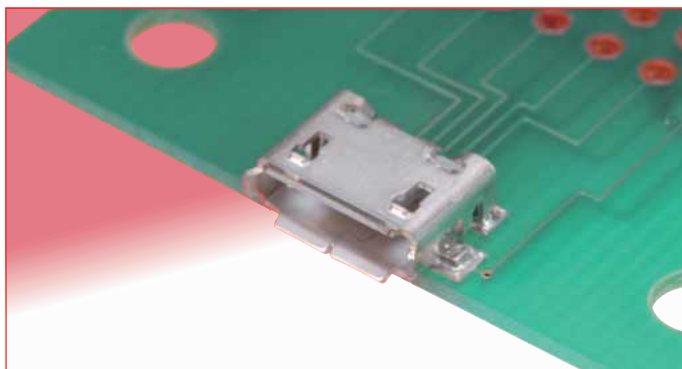
All dimensions: mm



## ZX Series Micro-USB connectors meeting requirements of USB 2.0 Standard

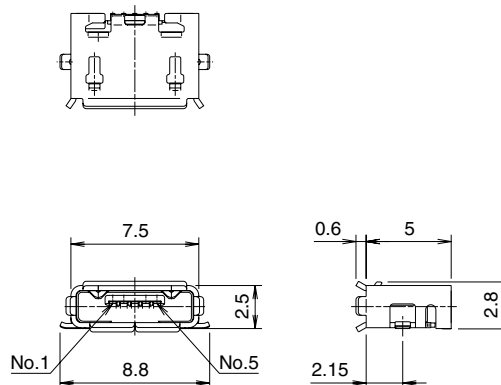
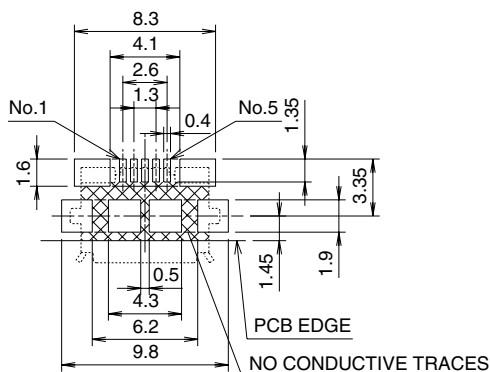
### ■Receptacles

#### ●Micro AB - Standard (Bottom mount), Shell SMT



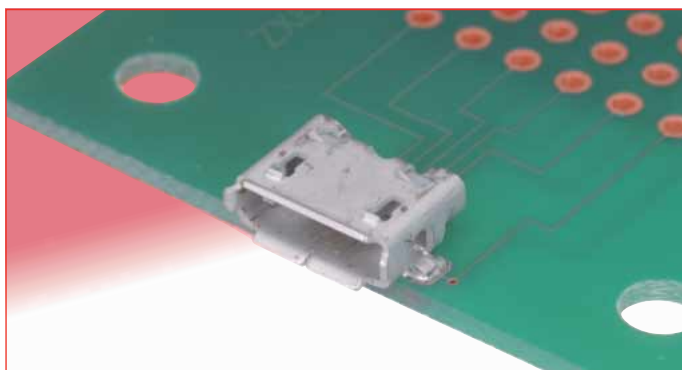
| Part Number | CL No.     | Packaging             | RoHS |
|-------------|------------|-----------------------|------|
| ZX62-AB-5PA | 242-0045-7 | 2,000 pieces per reel | YES  |

#### ◆Recommended PCB mounting pattern



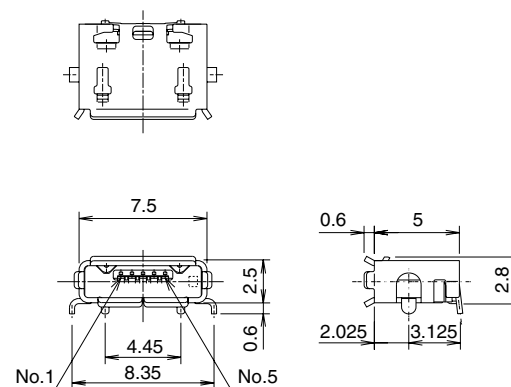
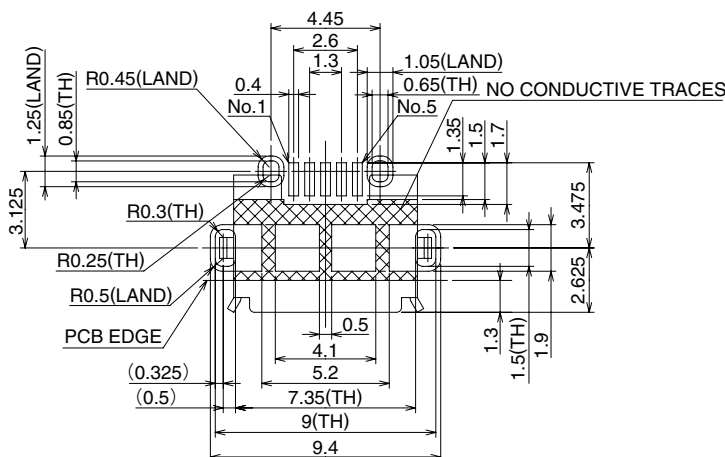
#### ●Micro AB - Standard (Bottom mount), Shell through hole

All dimensions: mm



| Part Number  | CL No.     | Packaging             | RoHS |
|--------------|------------|-----------------------|------|
| ZX62D-AB-5P8 | 242-0027-5 | 2,000 pieces per reel | YES  |

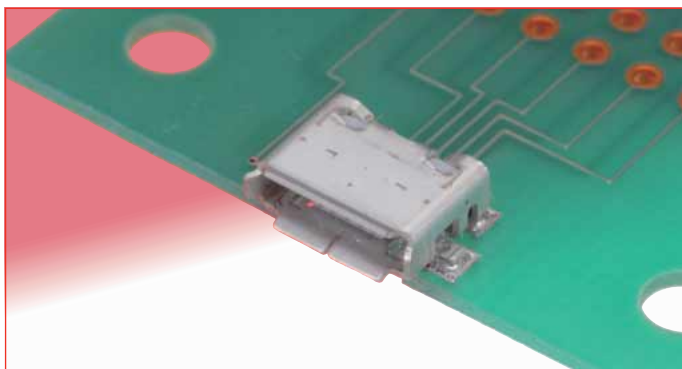
#### ◆Recommended PCB mounting pattern



All dimensions: mm

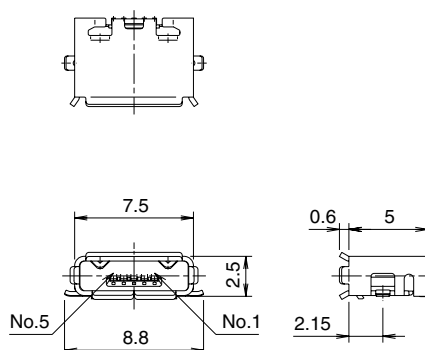
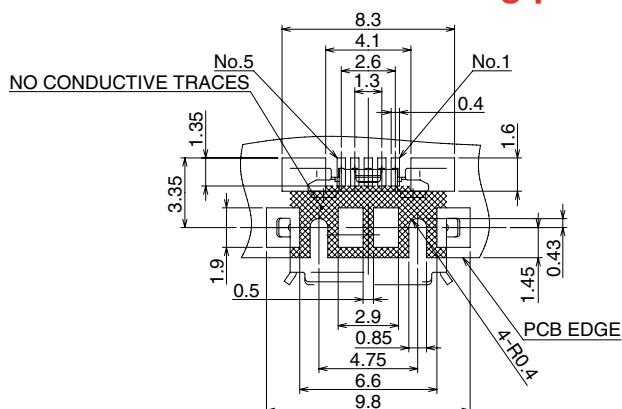
## ■Receptacles

### ●Micro AB - Reverse (Top mount), Shell SMT



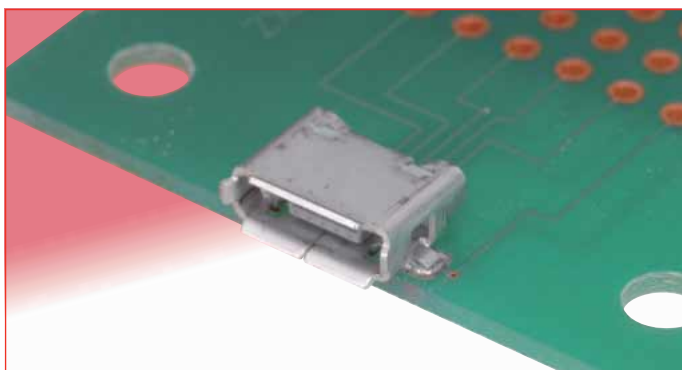
| Part Number | CL No.     | Packaging             | RoHS |
|-------------|------------|-----------------------|------|
| ZX62R-AB-5P | 242-0035-3 | 2,000 pieces per reel | YES  |

### ◆Recommended PCB mounting pattern



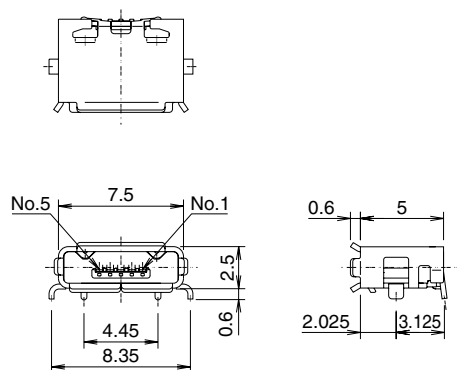
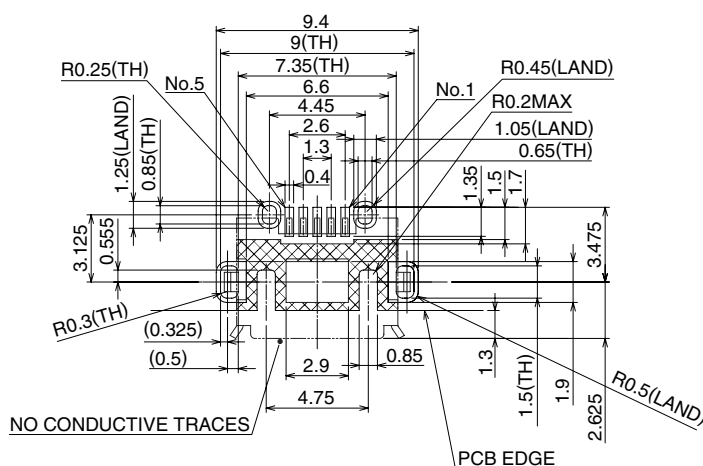
All dimensions: mm

### ●Micro AB - Reverse (Top mount), Shell through hole



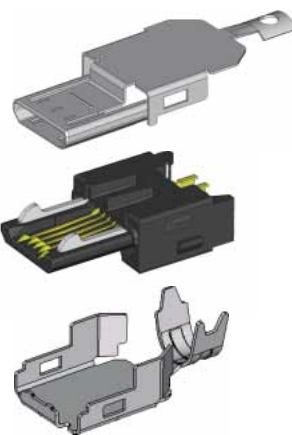
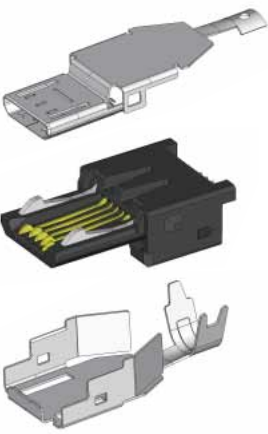
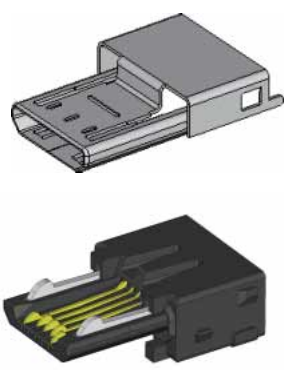
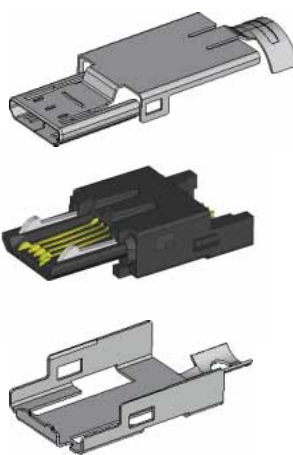
| Part Number   | CL No.     | Packaging             | RoHS |
|---------------|------------|-----------------------|------|
| ZX62RD-AB-5P8 | 242-0025-0 | 2,000 pieces per reel | YES  |

### ◆Recommended PCB mounting pattern



All dimensions: mm

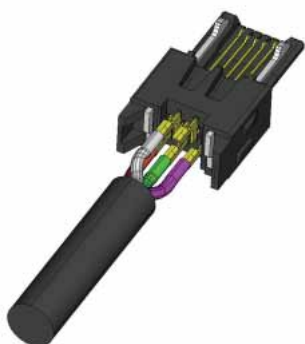
## ZX Series Micro-USB connectors meeting requirements of USB 2.0 Standard

| Plugs – assembled (not-terminated, without overmold)                                                                  | Components                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ZX40 - Direct wire soldering</b>  |  <div> <b>ZX40-*-SLDA</b><br/>                     Cover-top                 </div> <div> <b>ZX40-*-5S-UNIT</b><br/>                     Assembly<br/>                     (insulator/contacts/lock)<br/>                     *No PCB required                 </div> <div> <b>ZX40-SLDB</b><br/>                     Cover-bottom                 </div>                            |
| <b>ZX10 - PCB wire soldering</b>    |  <div> <b>ZX10-B-SLDA</b><br/>                     Cover-top                 </div> <div> <b>ZX10-B-5S-UNIT</b><br/>                     Assembly<br/>                     (insulator/contacts/lock)<br/>                     *SMT PCB termination                 </div> <div> <b>ZX10-SLDB</b><br/>                     Cover-bottom                 </div>                       |
| <b>ZX20 - PCB wire soldering</b>   |  <div> <b>ZX20-*-SLDC</b><br/>                     Cover                 </div> <div> <b>ZX20-*-5S-UNIT</b><br/>                     Assembly<br/>                     (insulator/contacts/lock)<br/>                     *Straight through hole PCB termination                 </div>                                                                                            |
| <b>ZX64 - PCB wire soldering</b>   |  <div> <b>ZX64-*-SLDA</b><br/>                     Cover-top                 </div> <div> <b>ZX64-*-5S-UNIT</b><br/>                     Assembly<br/>                     (insulator/contacts/lock)<br/>                     *Right angle through hole PCB termination                 </div> <div> <b>ZX64-SLDB</b><br/>                     Cover-bottom                 </div> |



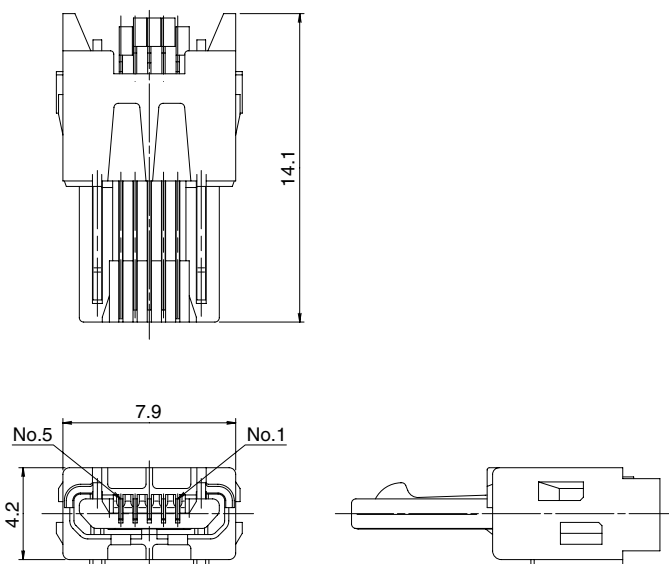
## ■Plugs

### ●Micro B - Assembly (insulator/contacts/lock) – Direct wire soldering



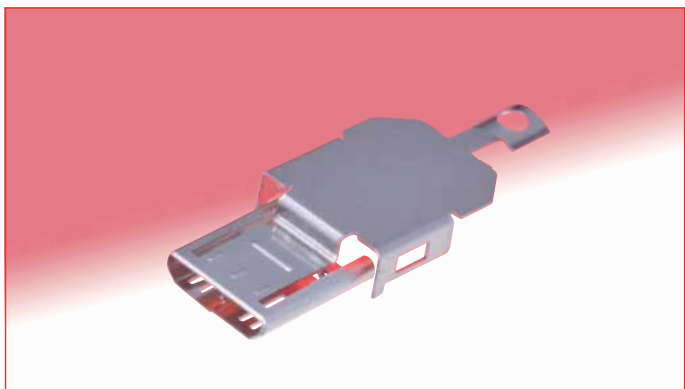
| Part Number        | CL No.        | RoHS |
|--------------------|---------------|------|
| ZX40-B-5S-UNIT(12) | 242-0002-4-12 | YES  |

Contact HRS for Cable Termination Procedure Manual.

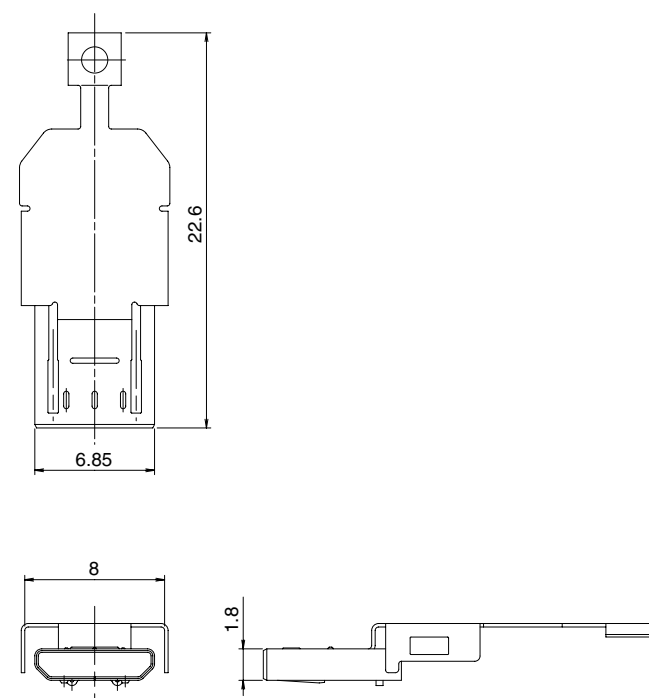


All dimensions: mm

### ●Micro B - Component, Cover-top - Direct wire soldering



| Part Number | CL No.     | Packaging             | RoHS |
|-------------|------------|-----------------------|------|
| ZX40-B-SLDA | 242-0003-7 | 4,000 pieces per reel | YES  |

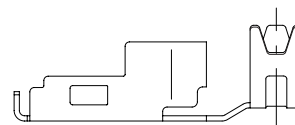
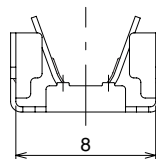
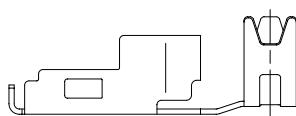
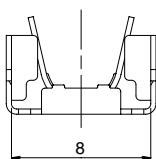
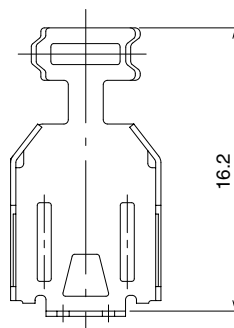
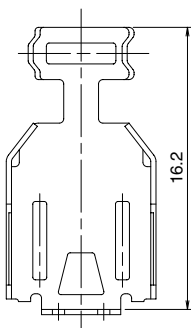
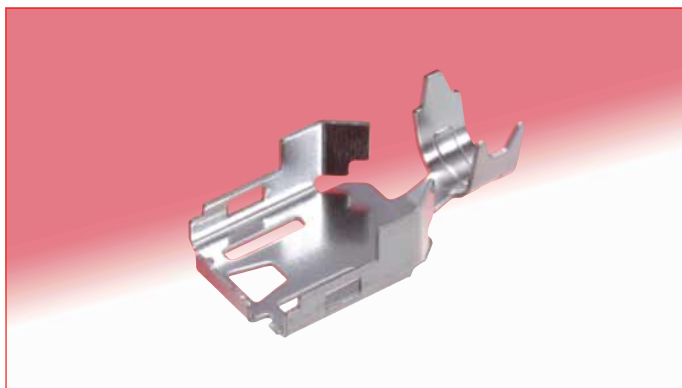


All dimensions: mm

## ZX Series Micro-USB connectors meeting requirements of USB 2.0 Standard

### ■Plugs

#### ●Micro A, Micro B - Component, Cover-bottom - Direct wire soldering



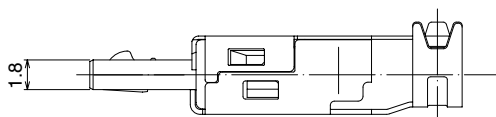
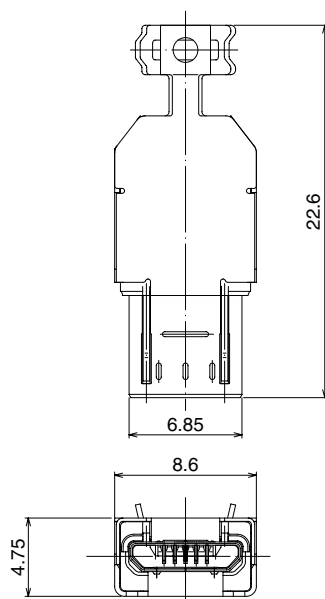
All dimensions: mm

ZX40-SLDB

ZX40-SLDB(3.3)

| Part Number    | CL No.     | Packaging             | Cable dia. | RoHS |
|----------------|------------|-----------------------|------------|------|
| ZX40-SLDB      | 242-0004-0 | 4,000 pieces per reel | φ3.8       | YES  |
| ZX40-SLDB(3.3) | 242-0023-4 |                       | φ3.3       |      |

#### ●Assembled



All dimensions: mm

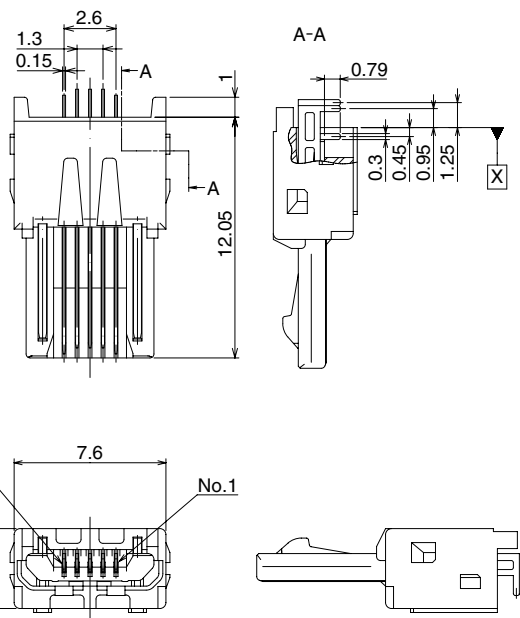
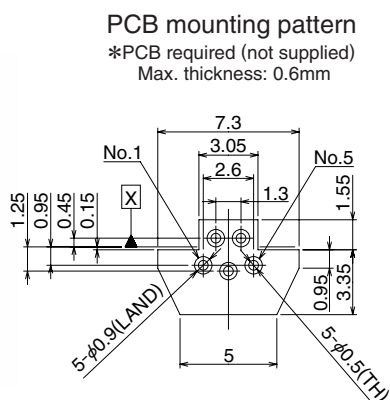
## Plugs

### Micro B - Assembly (insulator/contacts/lock) - Right angle through hole PCB wire soldering (non-direct)



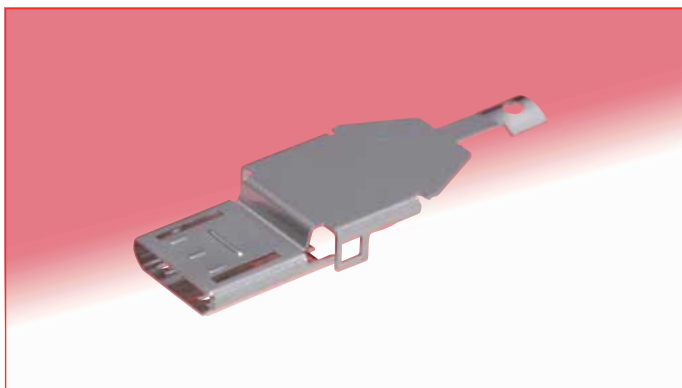
| Part Number        | CL No.        | Packaging             | RoHS |
|--------------------|---------------|-----------------------|------|
| ZX10-B-5S-UNIT(12) | 242-0030-0-12 | 1,500 pieces per reel | YES  |

Contact HRS for Cable Termination Procedure Manual.

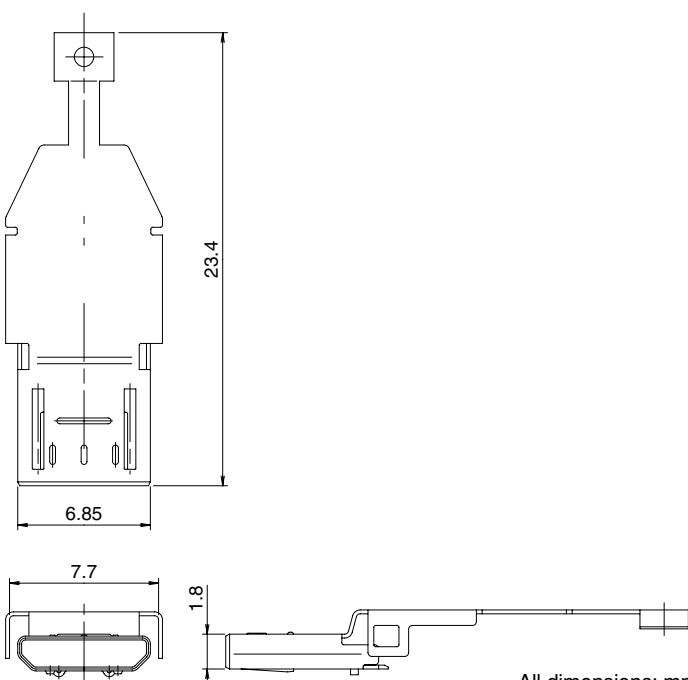


### Micro B - Component, Cover-top - Right angle through hole

All dimensions: mm



| Part Number | CL No.     | Packaging             | RoHS |
|-------------|------------|-----------------------|------|
| ZX10-B-SLDA | 242-0031-2 | 4,500 pieces per reel | YES  |

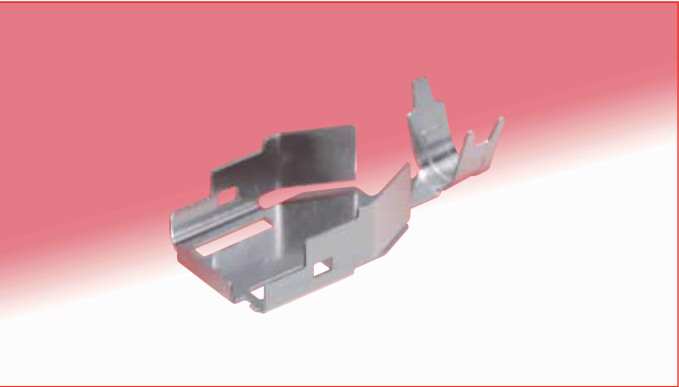


All dimensions: mm

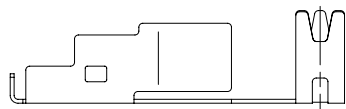
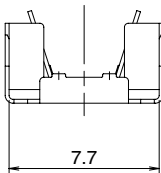
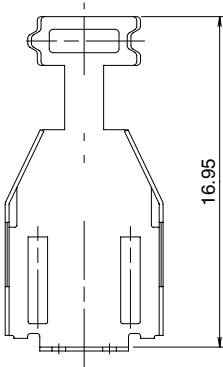
ZX Series Micro-USB connectors meeting requirements of USB 2.0 Standard

Plugs

Micro B - Component, Cover-bottom – Right angle through hole

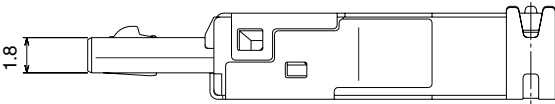
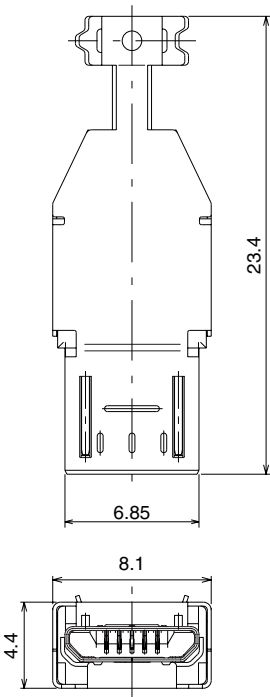


| Part Number    | CL No.     | Packaging             | RoHS |
|----------------|------------|-----------------------|------|
| ZX10-SLDB(3.3) | 242-0032-5 | 4,500 pieces per reel | YES  |



All dimensions: mm

Assembled



All dimensions: mm

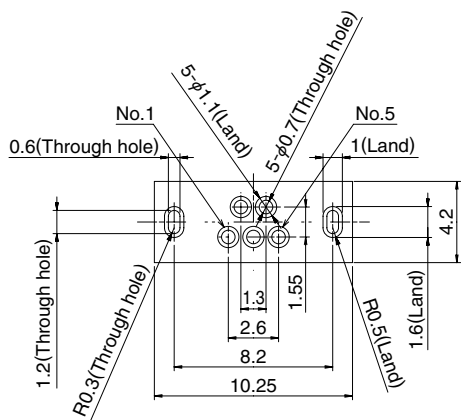
## Plugs

### Micro B - Assembly (insulator/contacts/lock) - Straight through hole PCB wire soldering (non-direct)



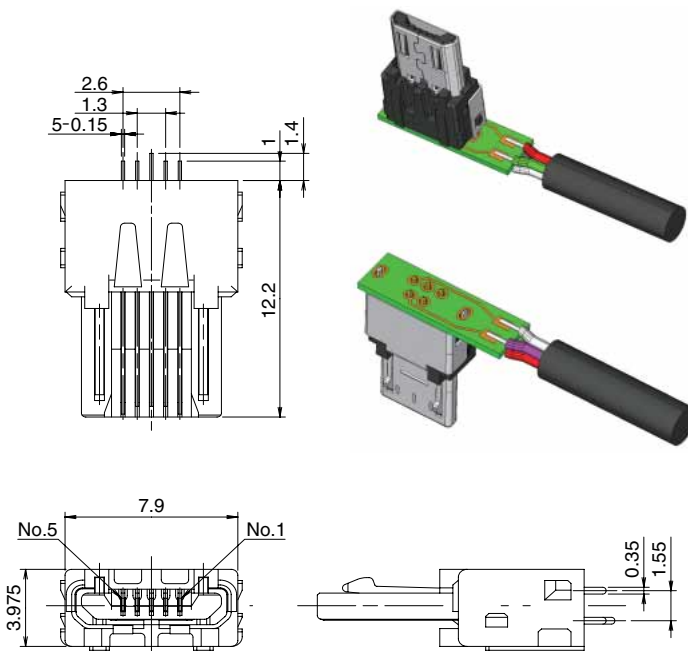
#### PCB mounting pattern

\*PCB required (not supplied)  
 Max. thickness: 0.6mm



| Part Number        | CL No.        | RoHS |
|--------------------|---------------|------|
| ZX20-B-5S-UNIT(12) | 242-0012-8-12 | YES  |

Contact HRS for Cable Termination Procedure Manual.

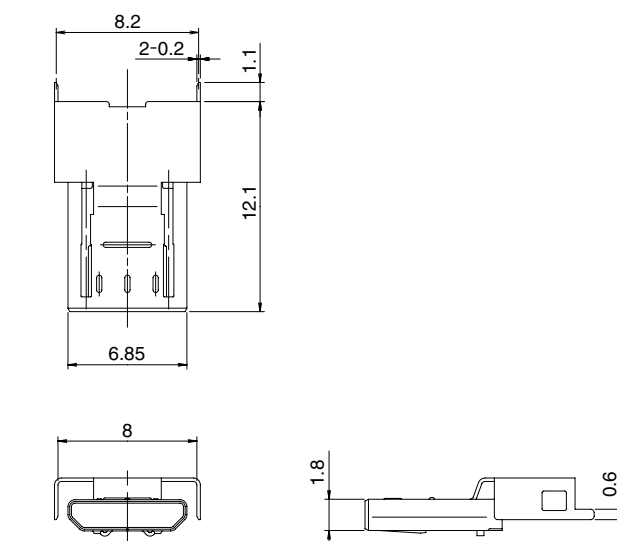


All dimensions: mm

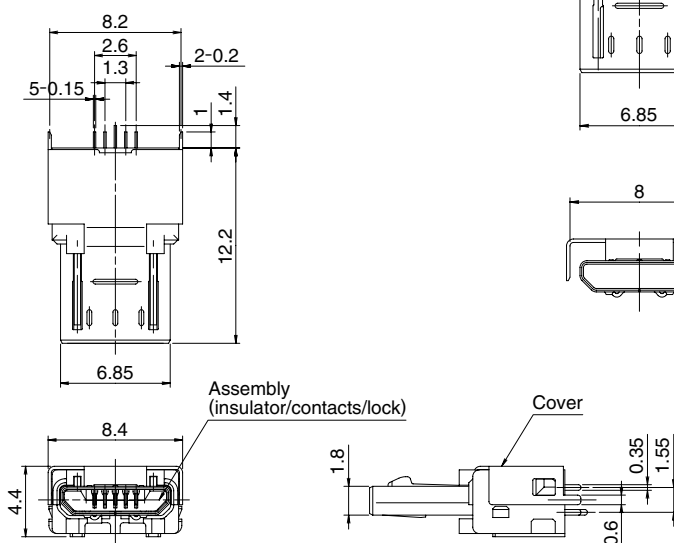
### Micro B - Component, Cover - Straight, through hole



| Part Number | CL No.     | Packaging             | RoHS |
|-------------|------------|-----------------------|------|
| ZX20-B-SLDC | 242-0022-1 | 4,000 pieces per reel | YES  |



### Assembled



All dimensions: mm



## ZX Series Micro-USB connectors meeting requirements of USB 2.0 Standard

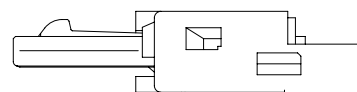
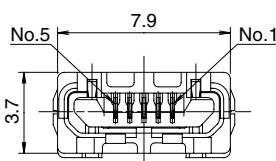
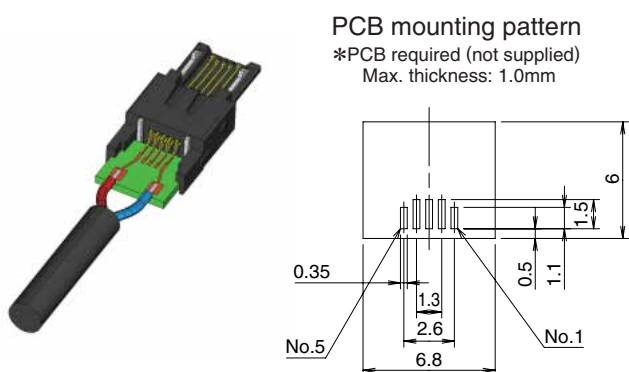
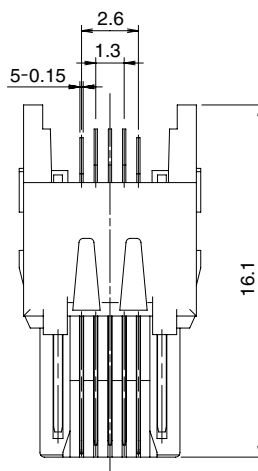
### Plugs

#### Micro B - Assembly (insulator/contacts/lock) - Right angle SMT



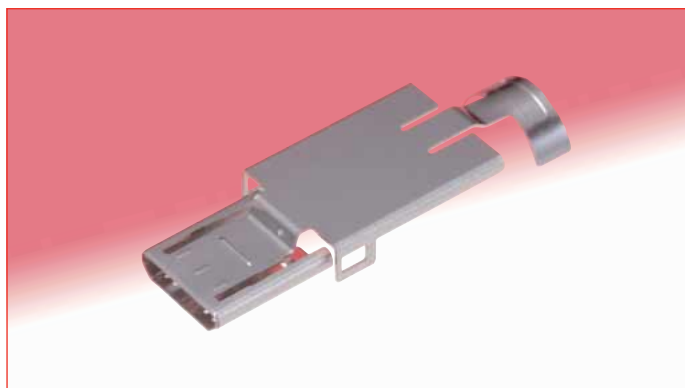
| Part Number        | CL No.        | RoHS |
|--------------------|---------------|------|
| ZX64-B-5S-UNIT(14) | 242-0009-0-14 | YES  |

Contact HRS for Cable Termination Procedure Manual.

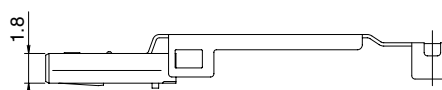
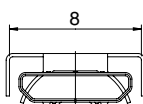
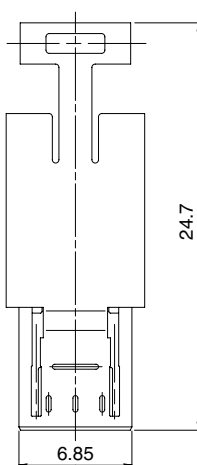


All dimensions: mm

#### Micro B - Component, Cover-top - Right angle SMT



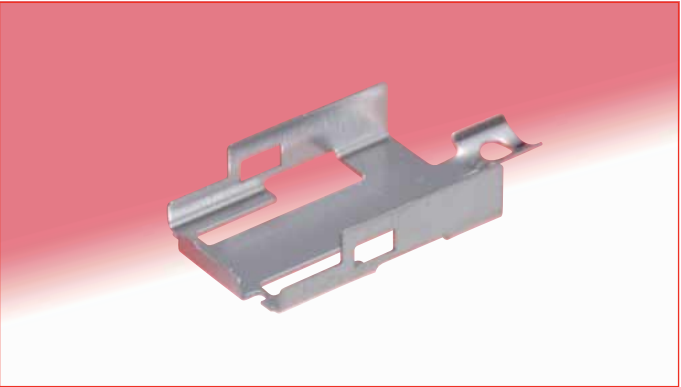
| Part Number | CL No.     | Packaging             | RoHS |
|-------------|------------|-----------------------|------|
| ZX64-B-SLDA | 242-0013-0 | 4,000 pieces per reel | YES  |



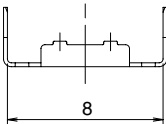
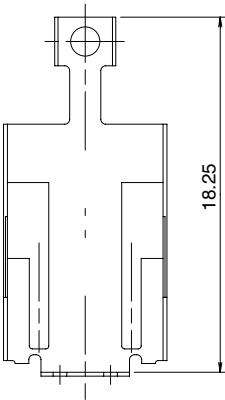
All dimensions: mm

Plugs

Micro B - Component, Cover-bottom - Right angle SMT

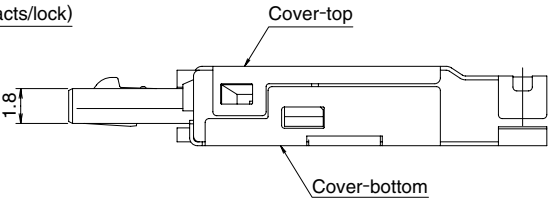
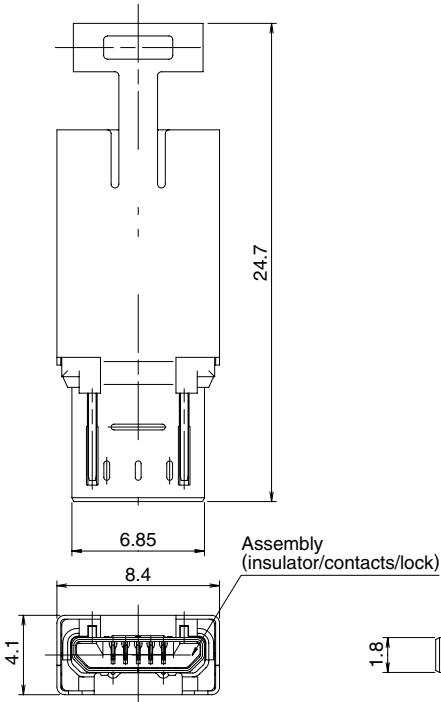


| Part Number | CL No.     | Packaging             | RoHS |
|-------------|------------|-----------------------|------|
| ZX64-SLDB   | 242-0049-8 | 4,000 pieces per reel | YES  |



Assembled

All dimensions: mm

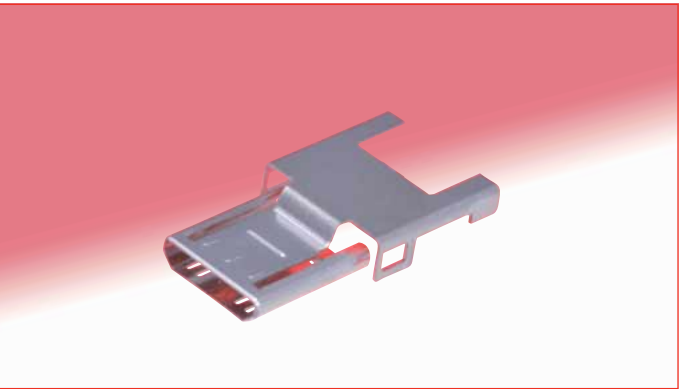


All dimensions: mm

ZX Series Micro-USB connectors meeting requirements of USB 2.0 Standard

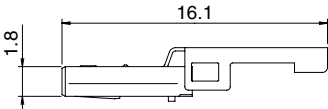
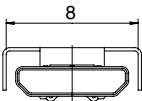
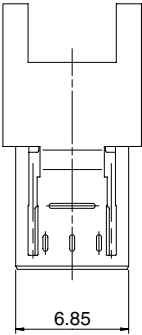
Plugs

Micro B - Component, Shell/cover – Right angle SMT

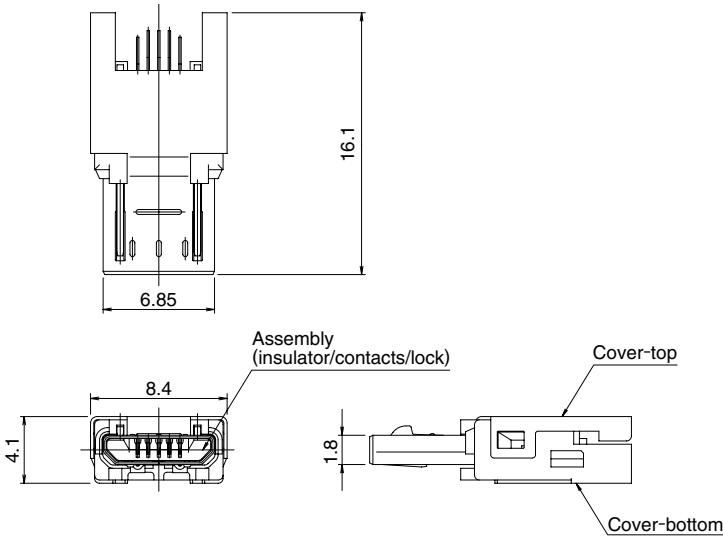


Shell/cover, without cable clamp  
This shell/cover does not require ZX64-SLDB.

| Part Number | CL No.     | Packaging             | RoHS |
|-------------|------------|-----------------------|------|
| ZX64-B-SLDC | 242-0018-4 | 4,000 pieces per reel | YES  |



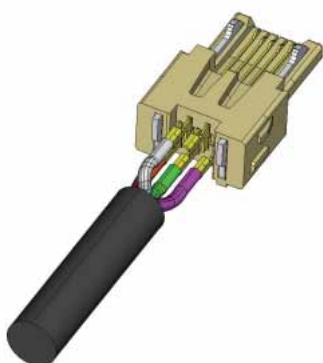
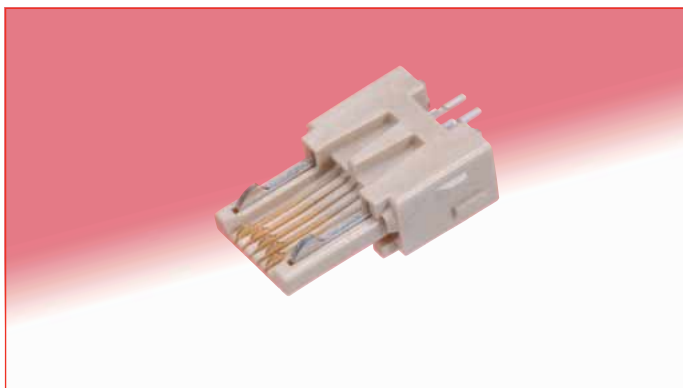
Assembled



All dimensions: mm

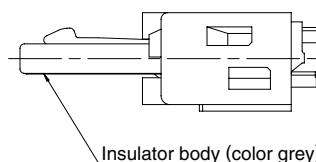
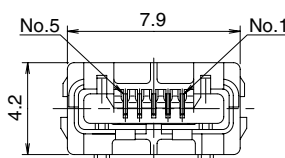
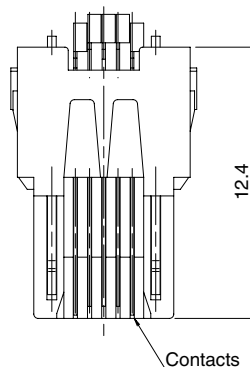
## Plugs

### Micro A - Assembly (insulator/contacts/lock) - Direct wire soldering



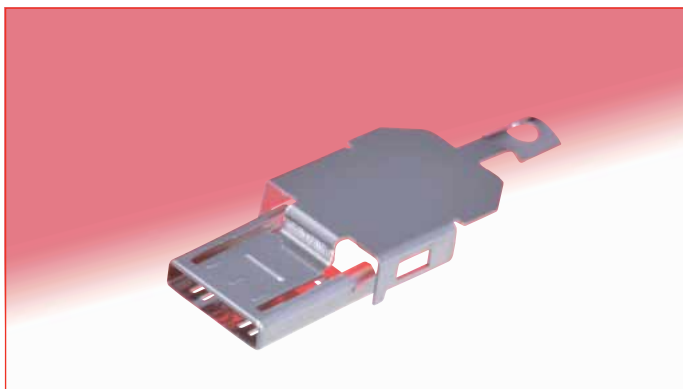
| Part Number    | CL No.     | RoHS |
|----------------|------------|------|
| ZX40-A-5S-UNIT | 242-0010-2 | YES  |

Contact HRS for Cable Termination Procedure Manual.

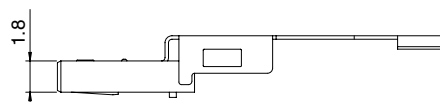
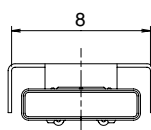
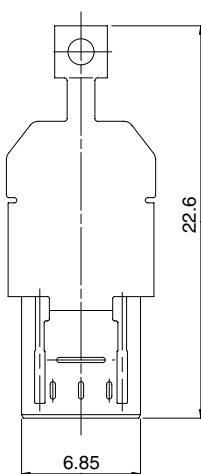


All dimensions: mm

### Micro A - Component, Cover-top - Direct wire soldering



| Part Number | CL No.     | Packaging             | RoHS |
|-------------|------------|-----------------------|------|
| ZX40-A-SLDA | 242-0011-5 | 4,000 pieces per reel | YES  |

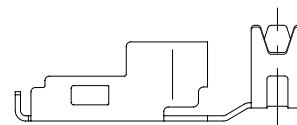
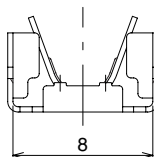
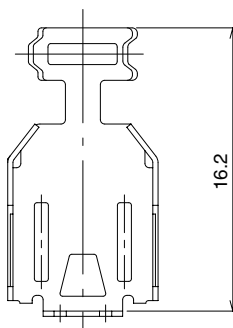
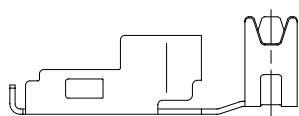
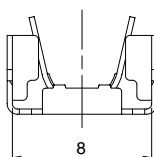
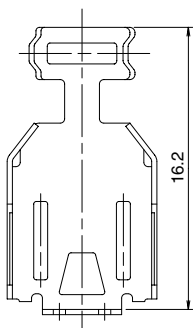
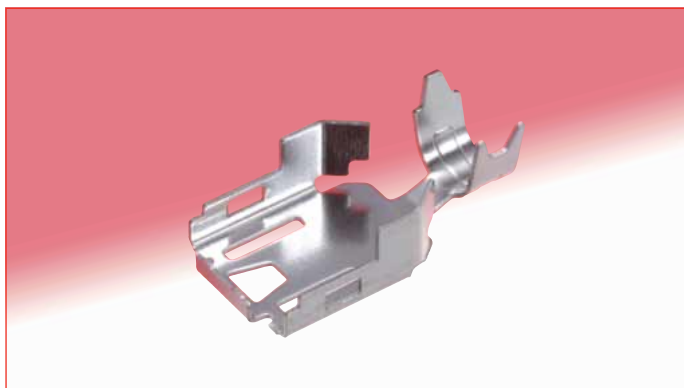


All dimensions: mm

## ZX Series Micro-USB connectors meeting requirements of USB 2.0 Standard

### Plugs

#### Micro A, Micro B - Component, Cover-bottom - Direct wire soldering



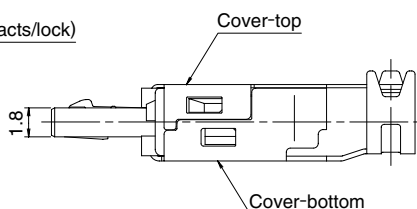
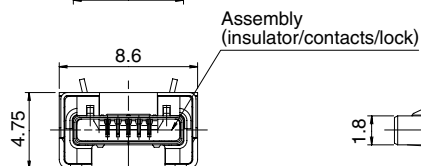
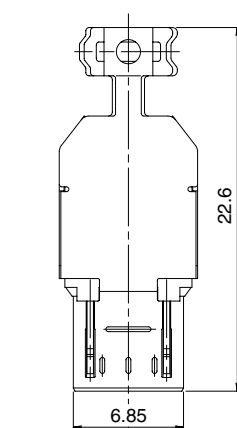
All dimensions: mm

ZX40-SLDB

ZX40-SLDB(3.3)

| Part Number    | CL No.     | Packaging             | Cable dia. | RoHS |
|----------------|------------|-----------------------|------------|------|
| ZX40-SLDB      | 242-0004-0 | 4,000 pieces per reel | φ3.8       | YES  |
| ZX40-SLDB(3.3) | 242-0023-4 |                       | φ3.3       |      |

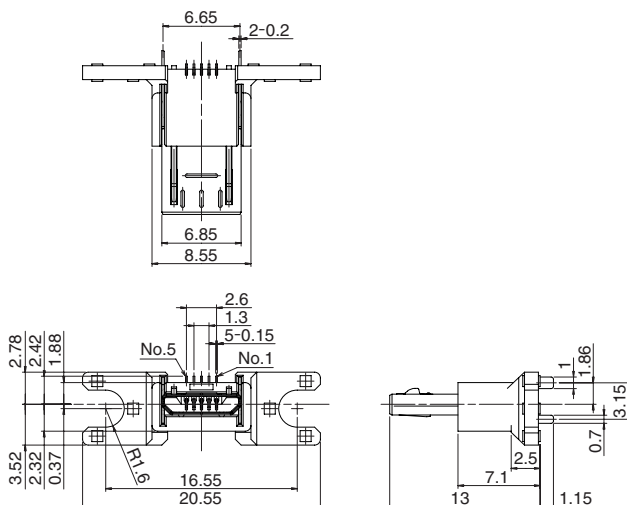
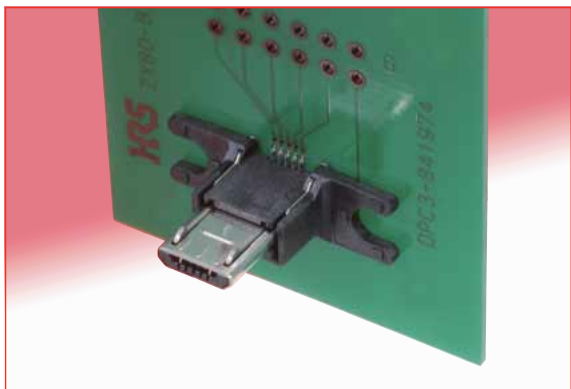
#### Assembled



All dimensions: mm

## ■ Plug-Vertical, cradle mount, Shell through hole

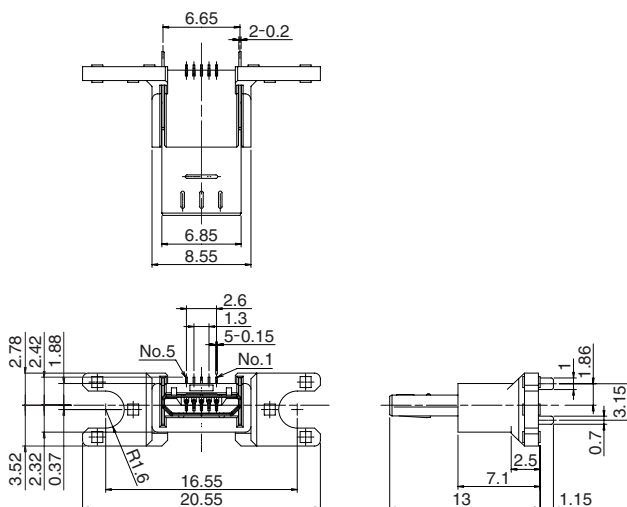
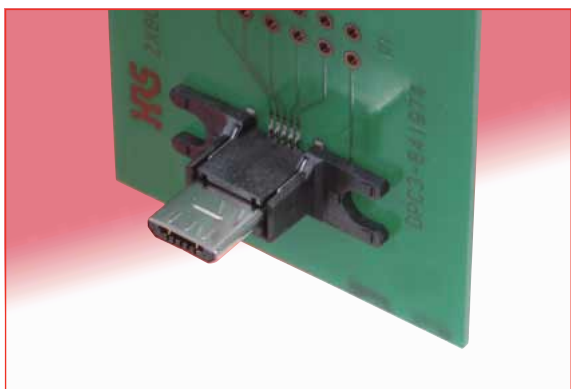
### ● Micro B, with lock



| Part Number | CL No.     | Packaging  | RoHS |
|-------------|------------|------------|------|
| ZX80-B-5S   | 242-0017-1 | 100 pieces | YES  |

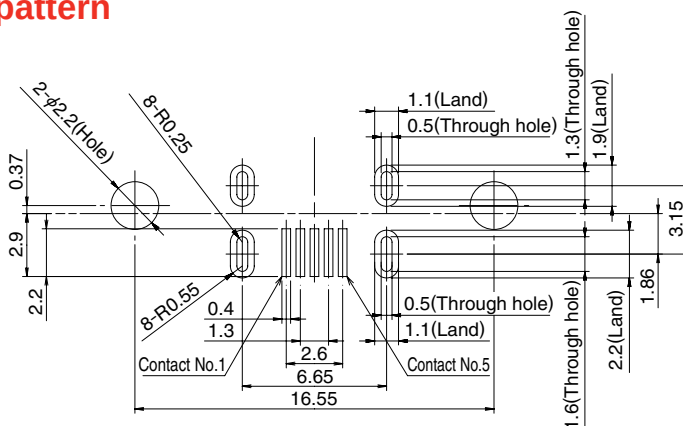
All dimensions: mm

### ● Micro B, without lock



| Part Number | CL No.     | Packaging  | RoHS |
|-------------|------------|------------|------|
| ZX80-B-5SA  | 242-0019-7 | 100 pieces | YES  |

## ◆ PCB mounting pattern

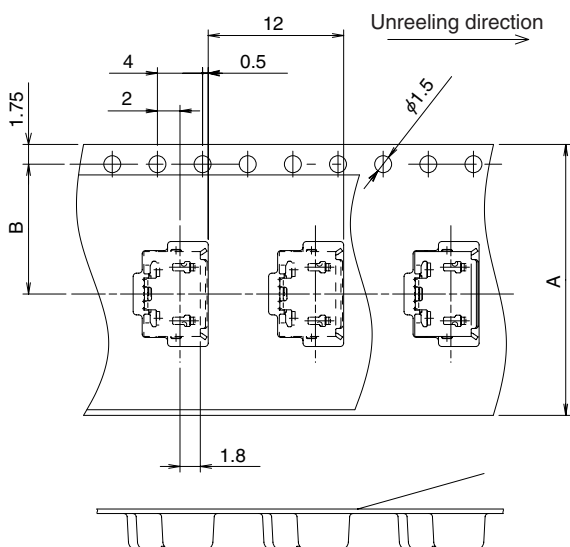


All dimensions: mm



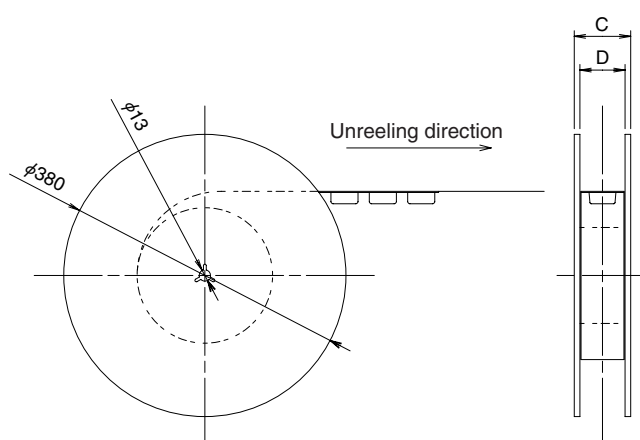
## ◆ Packaging Specifications

### ● Embossed carrier tape dimensions



| Part Number | A dimension | B dimension |
|-------------|-------------|-------------|
| ZX62-B-5PA  | 24          | 11.5        |
| ZX62-AB-5PA | 24          | 11.5        |
| ZX62M-B-5P  | 24          | 11.5        |
| Other       | 16          | 7.5         |

### ● Reel Dimensions

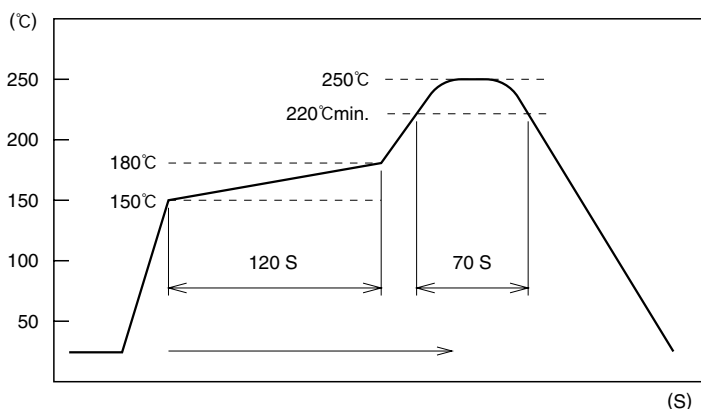


| Part Number | C dimension | D dimension |
|-------------|-------------|-------------|
| ZX62-B-5PA  | 30.4        | 24.4        |
| ZX62-AB-5PA | 30.4        | 24.4        |
| ZX62M-B-5P  | 30.4        | 24.4        |
| Other       | 22.4        | 16.4        |

Note : Tape and reel packaging (2,000 pieces/reel).  
 Order by number of reels.

## ◆ Recommended Temperature Profile - Receptacles

### ● Using lead-free solder paste



#### HRS test condition

Solder composition : Paste, 96.5%Sn/3.0%Ag/0.5%Cu

Test board : Glass epoxy 35mm×35mm×0.8mm thick

The temperature profile is based on the left conditions. In individual applications the actual temperature may vary, depending on solder paste type, volume/thickness and board size/thickness. Contact your solder paste and equipment manufacturer for specific recommendations.

Note 1: Up to 2 cycles of Reflow soldering are possible under the same conditions, provided that there is a return to normal temperature between the first and second cycle.

Note 2: The temperature profile indicates the board surface temperature at the point of contacts with the connector terminals.

## ◆ Precautions

- Exercise care when handling the connectors. Do not subject them to excessive external forces when mating/un-mating.
- Mate and un-mate as intended, holding by the overmolded body, in the correct direction. Do not un-mate by pulling on the cable.
- Some tooling marks may be visible on the surfaces of receptacle (shell/cover). No form/fit or function is affected.
- Appearance of the surface finishes on the receptacles may vary between production runs. No affect on form, fit or function.



# HIROSE ELECTRIC CO.,LTD.

5-23,OSAKI 5-CHOME,SHINAGAWA-KU,TOKYO 141-8587,JAPAN

PHONE: 81-3-3491-9741, FAX: 81-3-3493-2933

<http://www.hirose.com>

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