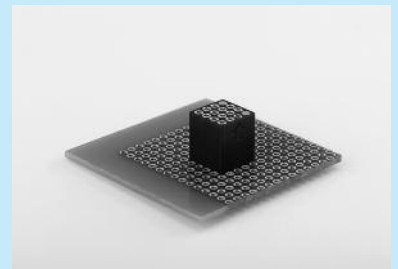


## Socket for wire(for preventing mis-insertion) [RST series]

- Prevents mis-insertion of the PCB connector to which multi-system cables are connected.
- Since this product has structural features which prevent human error, it prevents the connector from being inserted incorrectly in the wrong direction (90°, 180°, 270°).
- The user can set the position of closure pin. So the multi-system connector can be made by the common material.
- Material... Housing : PBT black(UL94V-0)  
Pin part : Brass : Gold plating over nickel base  
Socket (Body part) : Brass : Gold plating over nickel base  
Socket (Contact part) : Beryllium copper : Gold plating over nickel base  
Closure pin : Brass : Tin plating over nickel base
- Insulation resistance:500MΩ or over
- Withstand voltage : 500V AC,DC per minute
- Rated current:5A(per pin)
- Contact resistance:10mΩ or less(per pin)
- Insertion / removal frequency:100 times
- Operating temperature range:−40 to +100°C



### ■Housing Number (Both pin and socket sides)

Part number	Pack quantity
RST-M	10 pcs

### ■Pin part Number

Part number	Pack quantity	Press-fitting tool	Tip Tool
RST-W-P	100 pcs	OMXT-1	XRS-4






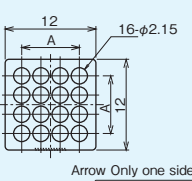
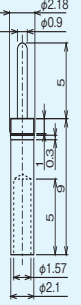
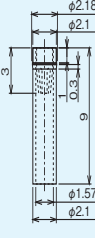
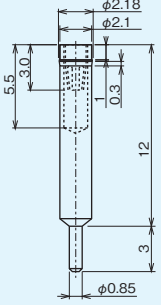
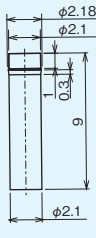
### ■Socket Part Number

Part number	Pack quantity	Press-fitting tool	Tip Tool
RST-W-S	100 pcs	OMXT-1	XRS-4
RST-B-S	100 pcs		

### ■Closure Pin Part Number

Part number	Pack quantity
RST-W-B	100 pcs

### ■Dimensions

				
<p>A: 7.62(P=2.54)</p>  <p>12 16-φ2.15 A 12 12 Arrow Only one side 12 RST-M</p>	 <p>φ2.18 φ0.9 5 0.3 5 φ1.57 φ2.1 RST-W-P</p>	 <p>φ2.18 φ2.1 3 0.3 9 φ1.57 φ2.1 RST-W-S</p>	 <p>φ2.18 φ2.1 5.5 3.0 0.3 12 3 φ0.85 RST-B-S</p>	 <p>φ2.18 φ2.1 0.3 9 φ2.1 RST-W-B</p>

## RST Mounting example/Tool

### Mounting example

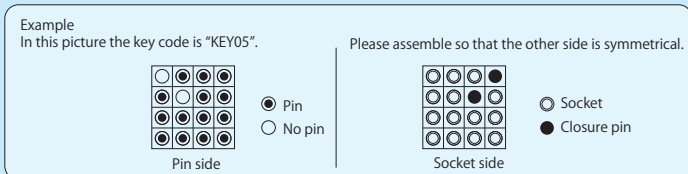
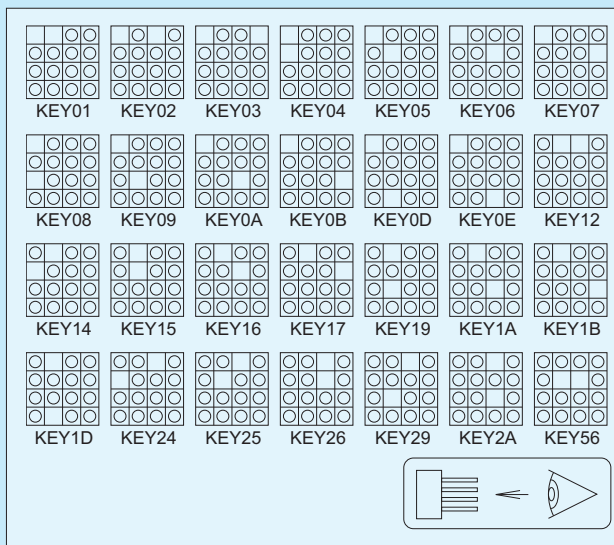
Below is a case where 2 of 4×4=16pins are closed. The 28 patterns shown in the figure are exclusive connections (cannot be inserted incorrectly).

You can prevent incorrect connections with connectors with different key codes(\*1).And even with the same key code,you can prevent the wrong orientation (90° . 180° . 270°).For devices with more than 28cable connections, the number of closure pins should be 3 or more. This allows even more exclusive connections. Please contact us for more details.

※ 1

Key code is a code that indicates the position of closure pin of this product, 4×4 array starting from the upper left corner and assigned 0 to F in the order shown in the right figure.

0	1	2	3
4	5	6	7
8	9	A	B
C	D	E	F



### Tools for crimping electric wire



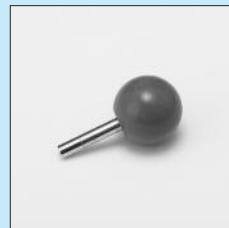
Crimping tool main unit  
■Part number:OMXT-1



Tool for attaching to the tip of OMXT-1.  
For RST series.  
■Part number:XRS-4



Housing stand  
■Part number:RST-D



Tool for press-fitting the socket to the housing  
■Part number:PCX-1 Edge chip P-3

### How to use



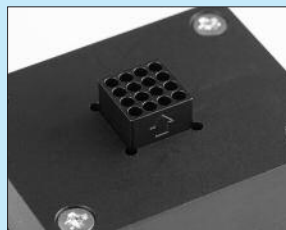
①Insert the terminal into the crimping tool.  
Insert the wire into the hole of the terminal.



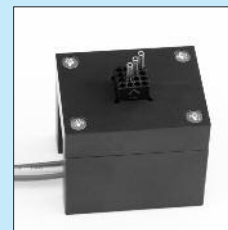
②Tighten with a crimping tool. Dial and adjust depending on the thickness of the wire (1-8).



③Appearance in crimped state.



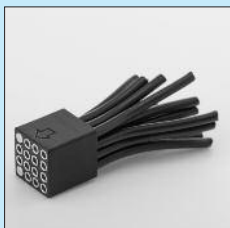
④Insert the housing into RST-D.



⑤Insert in the hole from the wire side.



⑥Plunge by PCX-1.



⑦Finish.

### Precaution

- Even if connectors with different key codes are used , if you try to insert them forcibly, there is a possibility that the tip of the connector may make electrical contact. It is recommended to turn off the device power when inserting and removing.
- Insert so that the 4×4 array positions of both pins to be connected are correctly aligned.If the pin pitch (2.54mm) is misaligned (extended to the side) , you may be able to insert it even if the key code is different.
- Connectors with different numbers of closure pins may be able to be inserted into each other. Do not mix connectors with different numbers of closure pins in the same device.  
Selecting a closure pin that is not in the list of key codes that we recommend, may cause incorrect insertion.