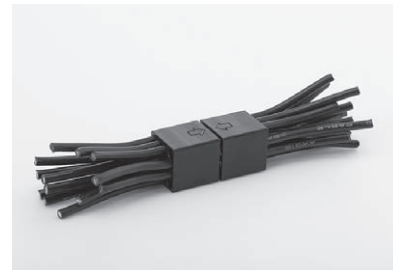
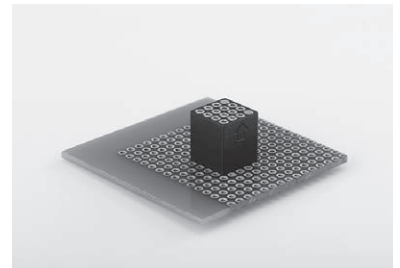
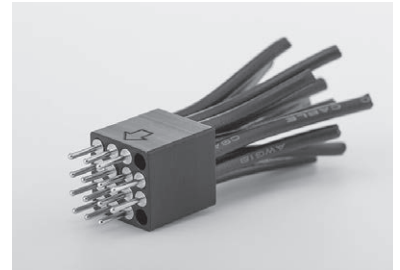
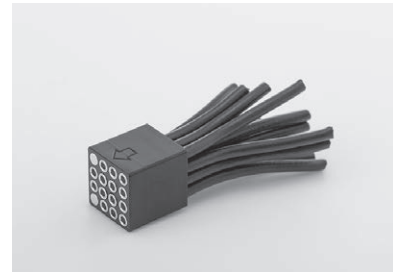


Socket for wire(for preventing mis-insertion)

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: 500M Ω or over
- Withstand voltage : 500V AC,DC per minute
- Rated current: 5A (per pin)
- Contact resistance: 10m Ω or less (per pin)
- Insertion / removal durability : 100 cycles
- Operating temperature range: - 40 to + 100℃



■ Housing No. (Both pin and socket sides)

Part No.	Pack quantity
RST-M	10 pcs

■ Pin part No.

Part No.	Pack quantity	Press-fitting tool	Tip Tool
RST-W-P	100 pcs	OMXT-1	XRS-4






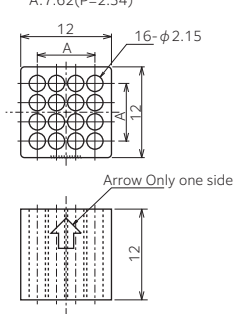
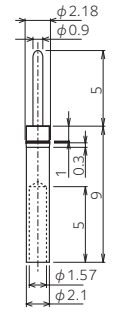
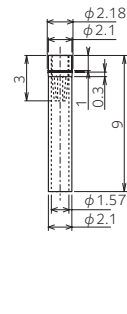
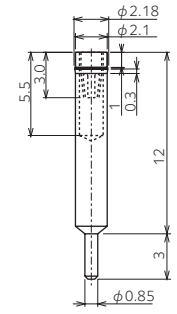
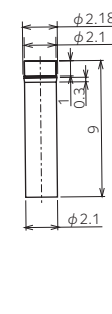
■ Socket Part No.

Part No.	Pack quantity	Press-fitting tool	Tip Tool
RST-W-S	100 pcs	OMXT-1	XRS-4
RST-B-S	100 pcs	-	-

■ Closure Pin Part No.

Part No.	Pack quantity
RST-W-B	100 pcs

■ Dimensions

				
<p>A: 7.62(P=2.54)</p>  <p>RST-M</p>	 <p>RST-W-P</p>	 <p>RST-W-S</p>	 <p>RST-B-S</p>	 <p>RST-W-B</p>

RST Mounting example/Tool

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).

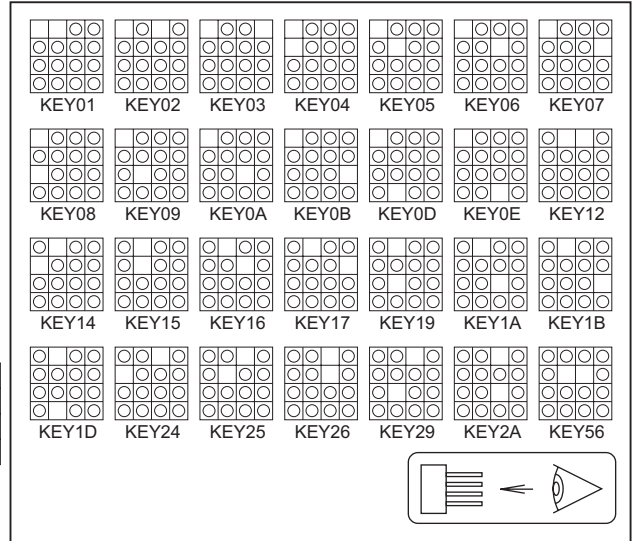
You can prevent incorrect connections with connectors with different key codes (※1). And even if with the same key code, you can prevent the wrong orientation (90° . 180° . 270°). For devices with more than 28cable connections, the number of closure pins should be 3 or more.

This allows even more exclusive connections. Please contact us for more details.

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

※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.



Example
In this picture the key code is "KEY05".

Please assemble so that the other side is symmetrical.

Pin side

Socket side

● Pin
○ No pin

○ Socket
● Closure pin

■ Tools for crimping electric wire



■ Part No.: OMXT-1
Crimping tool main unit



■ Part No.: XRS-4
Tool for attaching to the tip of OMXT-1.
For RST series.

■ Tool for mounting socket and pin to the housing

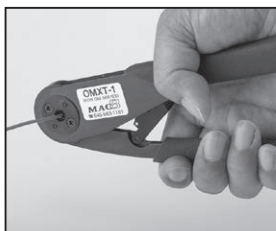


■ Part No.: RST-D-A
Housing stand



■ Part No.: PCX-1 Edge chip P-3
Tool for press-fitting the socket to the housing

■ How to use



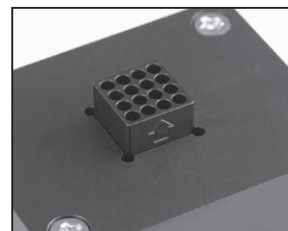
① Insert the terminal into the crimping tool.
Insert the wire into the hole of the terminal.



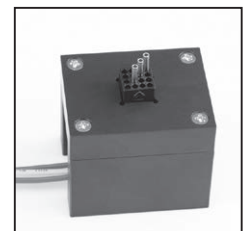
② Tighten with a crimping tool. Dial and adjust depending on the thickness of the wire (1-8).



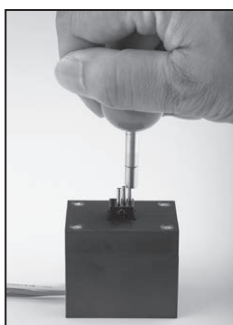
③ Appearance in crimped state.



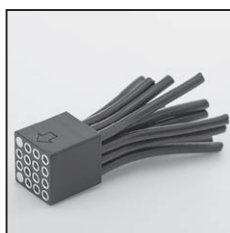
④ Insert the housing into RST-D-A.



⑤ Insert in the hole from the wire side.



⑥ Plunge by PCX-1.



⑦ Finish.

■ 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.