

NOTE 1. 1REEL CONTAINS 5,000PCS.

圖番 DRAWING NO. **HS**HIROSE KOREA CO.,LTD. CL 6508-0037-2-800 8

11.5

11.5

8.8

9.6

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TF13BSA-18S-0.4SH(800)

TF13BSA-20S-0.4SH(800)

8.6

9.4

6.8

7.6

7.85

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8.21

9.01

7.8

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7.3

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24.5

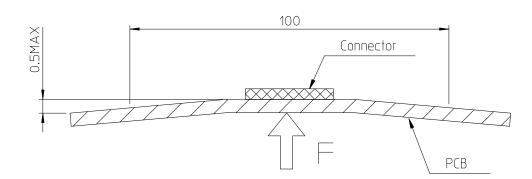
24.5

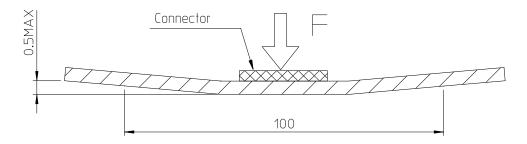
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This connector requires dslicate and careful handing. Read through the instructions shown below and the connector properly. Each values indicating here are for reference and may differ from standard value.

[INSTRUCTIONS FOR MOUNTING ON THE BOARD]

⚠ ◆ Warp of Board

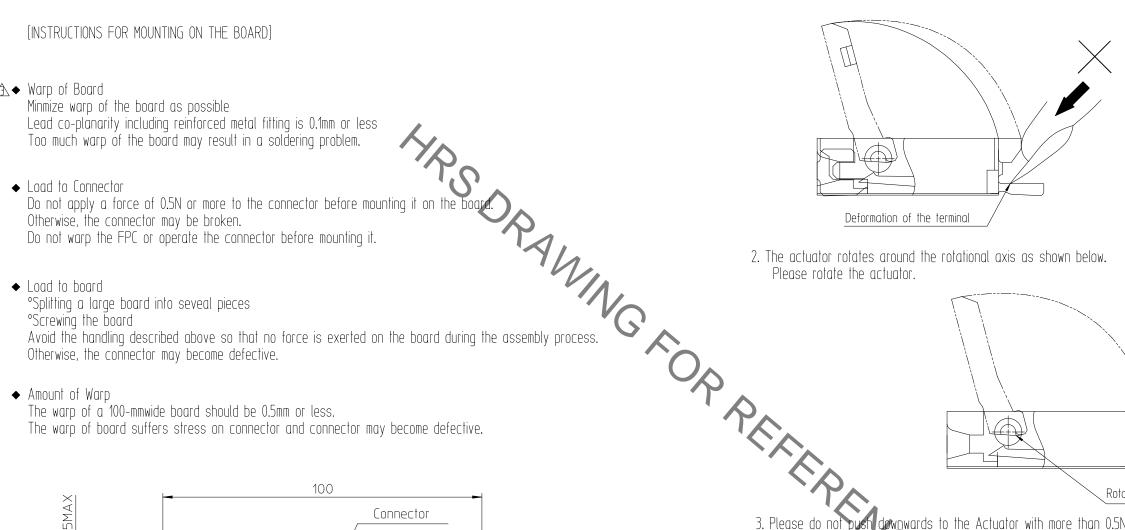




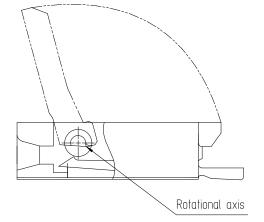
[INSTRUCTIONS ON INSERTING FFC/FPC AND CONNECTOR]

◆ Use of the Actuator

1. Be very careful not to apply excessive force when releasing the Actuator. in the initial position (with no FFC/FPC inserted) if you use your nail or finger as shown, the terimals may be deformed.

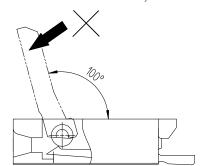


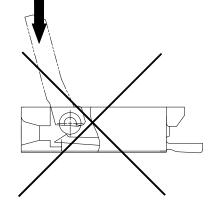
2. The actuator rotates around the rotational axis as shown below.



3. Please do not push downwards to the Actuator with more than 0.5N force, as shown below. Otherwise, the Actuator may fall off or be damaged.

4. The actuator will not open more than 100°. Do not apply any force backward beyond this point. Otherwise the actuator may come off or braek.





△<INSTRUCTION MANUAL(1)>

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CODE NO CL 6508-0037-2-800

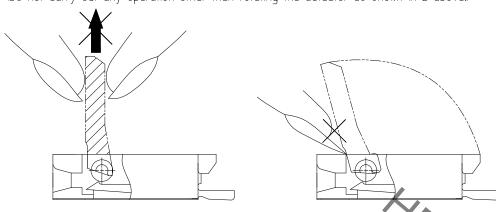
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5. Move the actuator at approximately the center.

(It may break if operate the edge of the actuator with FFC/FPC inserted.)

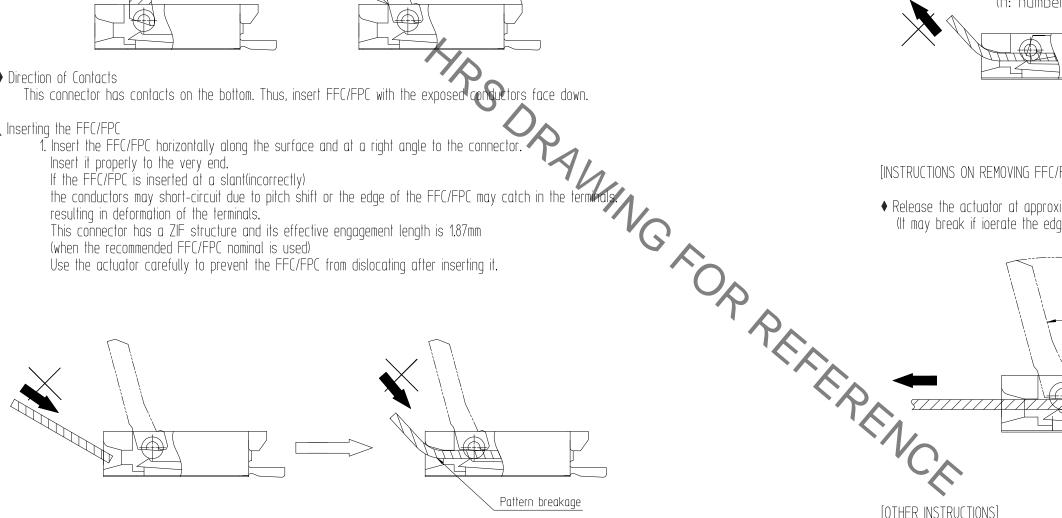
6. Do not pinch or pick the actuator to lift it as shown below, Otherwise, it may break. (Do not carry out any operation other than rotating the actuator as shown in 2 above.)



♦ Direction of Contacts

This connector has contacts on the bottom. Thus, insert FFC/FPC with the exposed conductors face down.

⚠ Inserting the FFC/FPC



2. Do not insert the FFC/FPC diagonally from above

If the FFC/FPC is inserted at a slat (incorrectly) as shown below in the FFC/FPC insertion process, the FFC/FPC may bend and patterns may break or the FFC/FPC may not insert completely. resulting in improper conduction.

- # Keep a sufficient FFC/FPC insertion space in the stage of the layout in order to avoid incorrect FFC/FPC insertion. Besodes, it is not difficult to insert FFC/FPC correctly at the way to the end. Designed the proper layout of parts.
- # Make adjustments with the FFC/FPC manufacturer for bending performance and breakage resistant.
- ♦ Checking the Locking Condition

In the locked condition, make sure that actuator is gorizontal on board surface. Do not apply excessive force to it near the O°position of the actuator. Otherwise, the terminals may be deformed. (Allowable force:1N or less)

A <INSTRUCTION MANUAL (2)>

[INSTRUCTION ON FPC LAYOUT AFTER CONNECTOR]

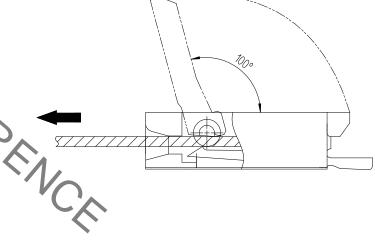
♦ Load to FFC/FPC

Be very careful not to apply any force to the FFC/FPC after inserting it. Otherwise, the connector may become unlocked or the FFC/FPC may break. Fix the FFC/FPC, in particular, when loads are applied to it continuously. Design the FFC/FPC layout with care not to bend it sharply near the insertion opening.

Load: 0.03(N) x n MAX (n: number of contacts)

[INSTRUCTIONS ON REMOVING FFC/FPC]

• Release the actuator at approximately the center. (It may break if ioerate the edge of the actuator with FFC/FPC inserted.)



[OTHER INSTRUCTIONS]

♦ Instruction on Manual Soldering

Follow the instructions shown when soldering the connector manually during repair work, etc. 1. Do not perform reflow soldering or manual soldering with the FFC/FPC inserted into the connector.

2. Do not heat the connector excessively. Be very careful not to let the soldering iron contact any parts other than connector leads. Otherwise, the connector may be deformed or melt.

3. Do not use excessive solder(or flux)

if excessive solder(or flux) is used on the terminals, solder or flux may adhere to the contacts or rotating parts of the actuator, resulting inpoor contact or a rotation failure of the actuator.

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7

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