

This connector requires delicate and careful handling. 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 Minimize warpage of the board as possible Lead coplanarity including reinforced metal fitting is 0.1mm or less Too much warpage of the board may result in a soldering.

◆ Load to connector Do not apply a force of 0.5N or more to the connector before mounting it on the board. Otherwise, the connector may be broken. Do not warp the FPC or operate the connector before mounting it.

◆ Load to board

Do not splitting a large board into seveal pieces

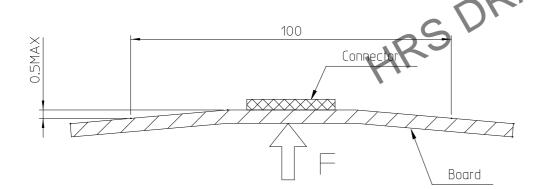
Do not Screwing the board

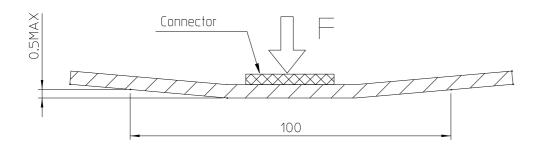
Avoid the handling described above so that no force is exerted on the board during the assembly process. Otherwise, the connector may become defective.

◆ Amount of Warp

The warp of a 100-mmwide board should be 0.5mm or less.

The warp of board suffers stress on connector and connector may become defective.

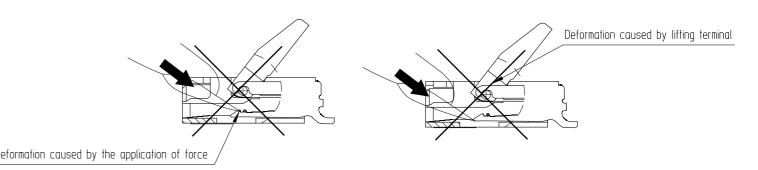




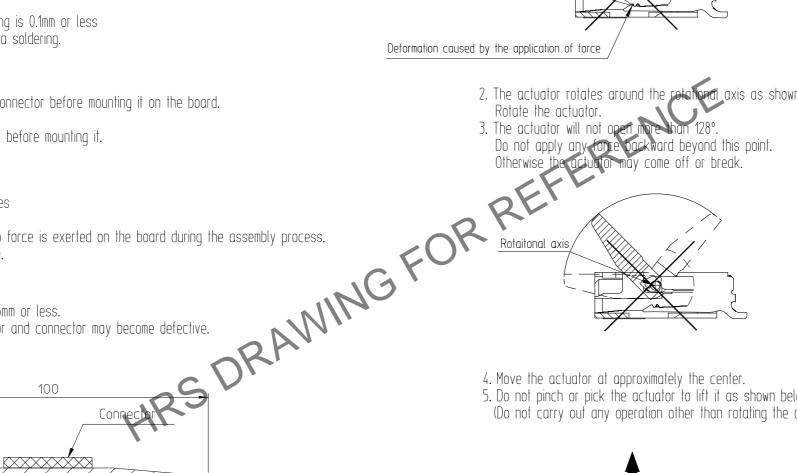
[INSTRUCTIONS ON INSERTING FFC/FPC AND CONNECTOR]

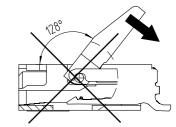
Use of the Actuator

1. Be very careful not to apply excessive force when releasing the Actuator in the initial position if you use your nail or finger as shown, the terimals may be deformed.

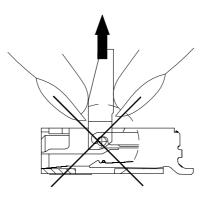


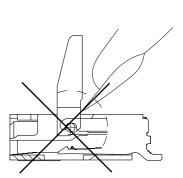
2. The actuator rotates around the rotational axis as shown below.





5. 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.)





< INSTRUCTION MANUAL(1) >

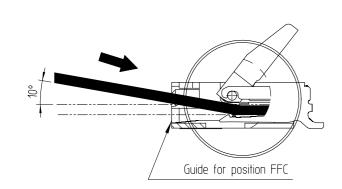
DRAWING NO.	PART NO.	TF28A-96S-0.5SH	
IRS HIROSE KOREA CO.,LTD.	CODE NO.	CL 6542-0005-7-800	3 4

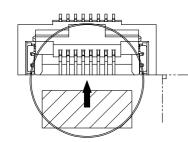
◆ Direction of Contacts

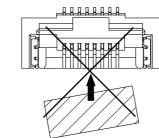
This connector has contacts on the bottom. Thus, insert FFC/FPC with the exposed conductors face down.

◆ Inserting the FFC/FPC

1. Insert the FFC/FPC by about 10 degrees along the surface and at a right angle to the connector. Insert it properly to the very end.







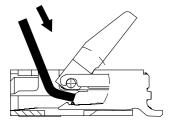
Right angle to the connector

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

RANING FOR If the FFC/FPC is inserted at a slant (incorrectly) as shown below in the FFC/FPC insertion process. the edge of the FFC/FPC may catch in the terminals resulting in deformation of the terminals. the FFC/FPC may bend and patterns may break or the FFC may not insert completely. resulting in improper conduction.

* Keep a sufficient FPC/FFC insertion space in the stage of the layout in order to avoid incorrect FPC/FFC insertion. Besides, it is not difficult to insert FFC/FPC correctly all the way to the end. Design the proper layout of parts.

* Make adjustments with the FFC/FPC manufacturer for bending performance and breakage.



◆ Checking the Locking Condition

In the locked condition make sure that the actuator is horizontal on the board surface.

Do not apply excessive force to it near the 0° position of the actuator.

Otherwise the terminals may be deformed.

[INSTRUCTION ON FEC/EPC | AYOUT AFTER CONNECTOR]

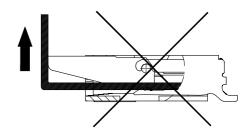
◆Load to FFC/FPC

Be very careful not to apply any force to the connector directly after inserting FFC/FPC. Otherwise the connector may become unlocked or the FFC/FPC may break.

In particular design the FFC/FPC layout with care not to bend it sharply upward in a vertical direction near the insertion opening.

Fix the FFC/FPC when loads are applied to it continuously.

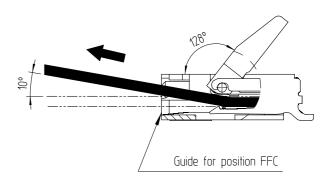
Load: 0.1 x n N MAX (n: number of contacts)



◆Move the actuator at approximately the center.

Release the actuator to remove the FFC/FPC.

Remove the FFC/FPC by about 10 degrees along the surface.



[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 in poor contact or a rotation failure of the Actuator. Supplying excessive solder to the reinforcing bracket may lock hinder Actuator. resulting in breakage of the connector.

< INSTRUCTION MANUAL(2) >

DRAWING NO.	PART NO.	TF28A-96S-0.5SH	
HS HIROSE KOREA CO.,LTD.	CODE NO.	CL 6542-0005-7-800	4/4