

This connector features small, thin and back flip design, requiring delicate and careful handling. Read through the instructions shown below and handle the connector properly.

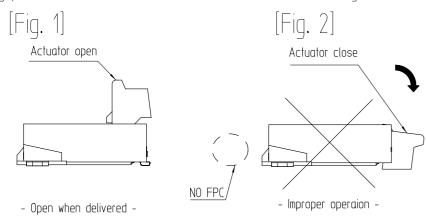
(Operation and Precautions)

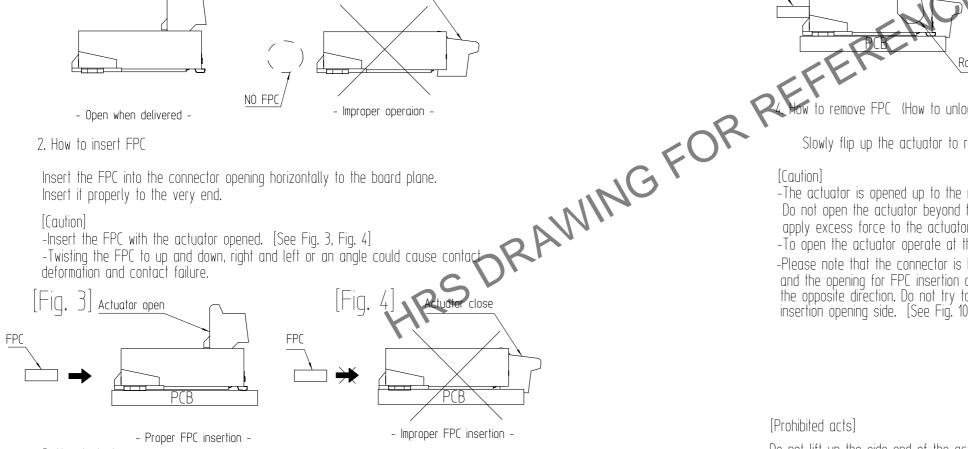
1. Initial condition

Actuator does not have to be operated before inserting FPC. as the connector is delivered with the actuator opened. [See Fig. 1]

[Caution]

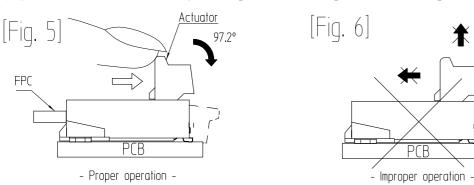
-Do not close the actuator before inserting FPC Closing the actuator without FPC could make the contact gap smaller, witch could increase the FPC insertion force. [See Fig. 2]





3. How to lock

Apply load to rotate the actuator by 97.2 degree after inserting the FPC. [See Fig. 5]



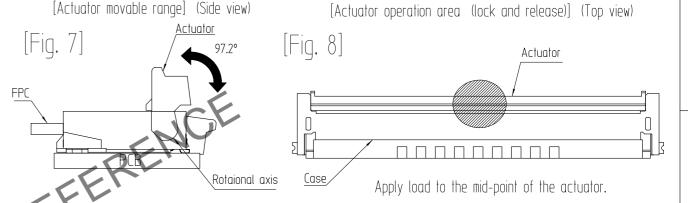
[Caution]

- -The actuator rotates around the rotational axis. [See Fig. 7]
- -Do not rotate the actuator to the counter direction.
- Do not pitch or pick the actuator to lift. Otherwise, it may break. [See Fig. 6]
- -Apply load to the mid-point on the actuator to rotate it. [See Fig. 8]
- -Do not apply excess force to the housing during the operation.

(Prohibited acts)

Do not operate the side end of the actuator, or it may twist the actuator and cause half mating.

-Please operate both ends at the same time when you cannot operate the vicinity of the center part.



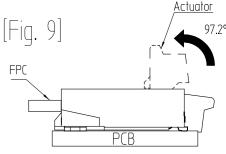
remove FPC (How to unlock)

Slowly flip up the actuator to release the lock and remove the FPC

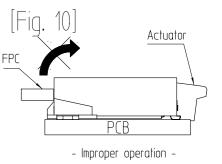
-The actuator is opened up to the movable limit. 97.2 degree. Do not open the actuator beyond the specified degree or apply excess force to the actuator. [See Fig. 9]

-To open the actuator operate at the mid-point of the actuator. [See Fig, 8]

-Please note that the connector is back flip style connector, and the opening for FPC insertion and the actuator face the opposite direction. Do not try to lift the actuator at the FPC insertion opening side. [See Fig. 10]



- Proper operation -



[Prohibited acts]

Do not lift up the side end of the actuator, or it may twist the actuator and cause breakage.

- Please operate both ends at the same time when you cannot operate the vicinity of the center part.

[Prohibited acts]

Do not pull out the FPC with the actuator locked. When FPC is pulled out with the actuator locked. it cause the contact deformation and contact failure.

INSTRUCTION MANUAL <1>

DRAWING NO. EDC3-632297	PART NO.	TF46-**S-0.5SH(800)	
#\$ HIROSE KOREA CO.,LTD.	CODE NO.		4/5

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[Instructions for mounting on the board]

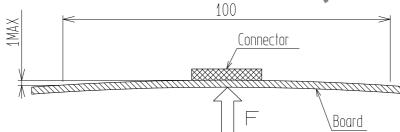
1. Warp of board

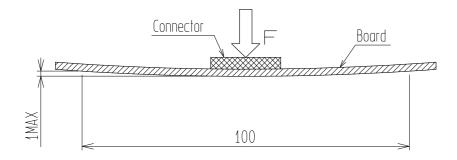
Minimize warp of the board as much as possible.

Lead co-planarity including reinforced metal fittings is 0.1 mm or less.

Too much warp of the board may result in a soldering failure.







[Precautions for design]

- 1. During FPC wiring, ensure that stress is not applied directly to the connector Do not bend the FPC excessively near the connector during use, or it may cause contact failure or FPC breakage. Stabilizing the FPC is recommended.
- 2. Keep a sufficient FPC insertion space in the stage of the layout in order to avoid

Supplying excessive solder to the metal fitting may hinder actuator rotation. resulting in breakage of the connector.

INSTRUCTION MANUAL <2>

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HS HIROSE KOREA CO.,LTD.	CODE NO.		5/5