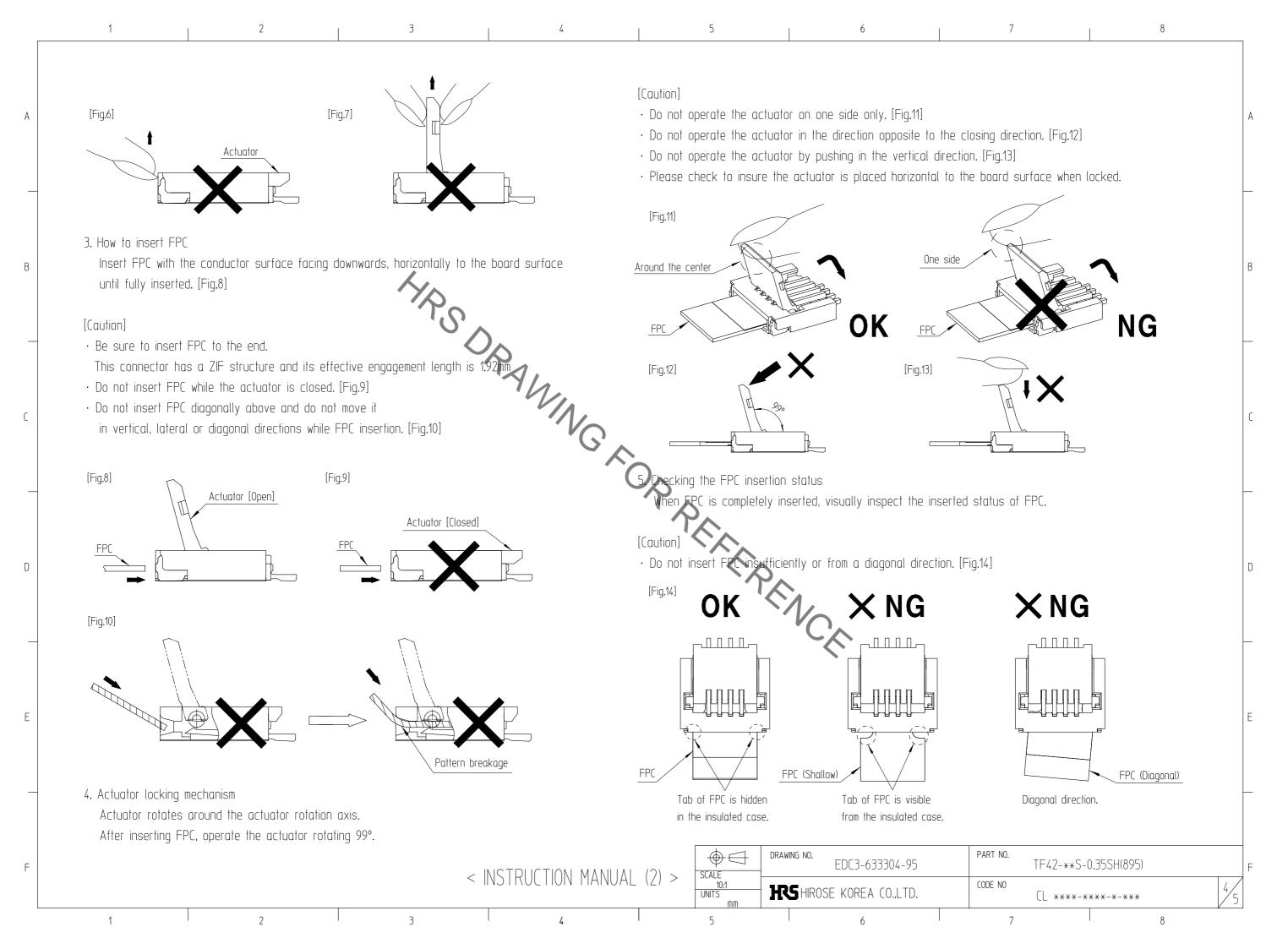
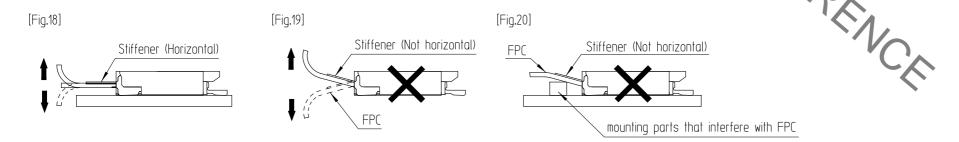


♦ [Board Mounting Precautions] ♦ [Operating Method] O Board Warpage As this connector is a small and thin, requires careful handling. Be sure to minimize the board warpage as much as possible. Please check the instructions shown below before use. The Lead co-planarity including reinforced material is 0.1mm or less. Too much board warpage may result in a soldering failures or co-planarity issues. 1. Initial condition. - The actuator is delivered closed state. O Connector Load - Don't operate the connector while it is not mounted on the board. Do not apply a force of 0.5N or more to the connector before mounting it on the board to prevent connector damage. 2. How to unlock the actuator Do not insert the FPC or operate the connector before mounting Actuator rotates around the center rotation axis, as shown in the Figure below. Operate the actuator and slowly rotate it, releasing the lock. [Fig.2] O Board Stress - Splitting a large board into several pieces. [Caution] - Screwing the borad. · Operate the actuator around the center when unlocked. [Fig.4] Avoid the handling described above so that no force is exerted on the board · Do not operate the actuator on one side only when unlocked. [Fig.5] during the assembly process. · Actuator can not be opened wider than 99°. Do not open it wider than that angle. [Fig.3] · This connector adopts a back-flip design, and there is a difference between the FPC insertion Otherwise, the connector may become defective. direction and the actuator operating direction. Don't try to open from FPC insertion side. [Fig.6] Do not pick and raise the actuator, or hook it. [Fig.7] • Accetable Amount of Board Warpage A 100mm wide board has an acceptable warp range of 0.5mm or less. [Fig.1] Excessive amounts of warping will place stress on the connector which may result in damage and malfunction. [Fig.1] ΧY Connector [Fig.4] [Fig.5] Around the center Board Connector OK 100 PART NO. TF42-\*\*S-0.35SH(895) EDC3-633304-95 < INSTRUCTION MANUAL (1) > CODE NO **HS**HIROSE KOREA CO.,LTD. (L \*\*\*\*-\*\*\*



6. How to remove FPC ♦ [Other Instructions] After unlock the actuator, remove the FPC in the horizontal direction. [Fig.15] • Manual soldering Follow the instructions listed below when soldering the connector manually during repair work, etc. 1. Do not perform reflow soldering or manual soldering with the FPC/FFC inserted into the connector. [Caution] · Do not remove the FPC while the actuator is closed. [Fig.16] 2. Do not overheat the connector. · When pulling out FPC, do not apply load in the upward or lateral direction. [Fig.17] Do not allow the soldering iron to contact any part other than the intended connector leads. Otherwise, the connector may be deformed or melted. 3. Do not use excessive solder (or flux). [Fig.15] [Fig.16] [Fig.17] Actuator (Open) If excessive solder (or flux) is used on the terminals, solder or flux may adhere to the contacts FPC (diagonal) Actuator (Closed) or the rotating parts of the actuator, resulting in poor contact or a rotation failure of the actuator. OK 7. Routing of FPC Routing of FPC
When routing the FPC please do not apply a load as it may cause FPC disconnection and damage. It also may cause additional load to the connector resulting in poor connection and other issues. [Caution] · When routing FPC, please be careful that FPC is not pulled and routing is carried out with a margin.

- · Please check that the stiffener is parallel to the board surface. (Fig.18).
- · Please insure there is no load is applied to the connector in the pulling, inserting or lateral direction. [Fig.19]
- · Don't place any parts under the stiffener that will interfere with FPC. [Fig.20]



PART NO. DRAWING NO. EDC3-633304-95 TF42-\*\*S-0.35SH(895) CODE NO. **HS**HIROSE KOREA CO.,LTD. (L \*\*\*\*-\*\*\*

< INSTRUCTION MANUAL (3) >

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