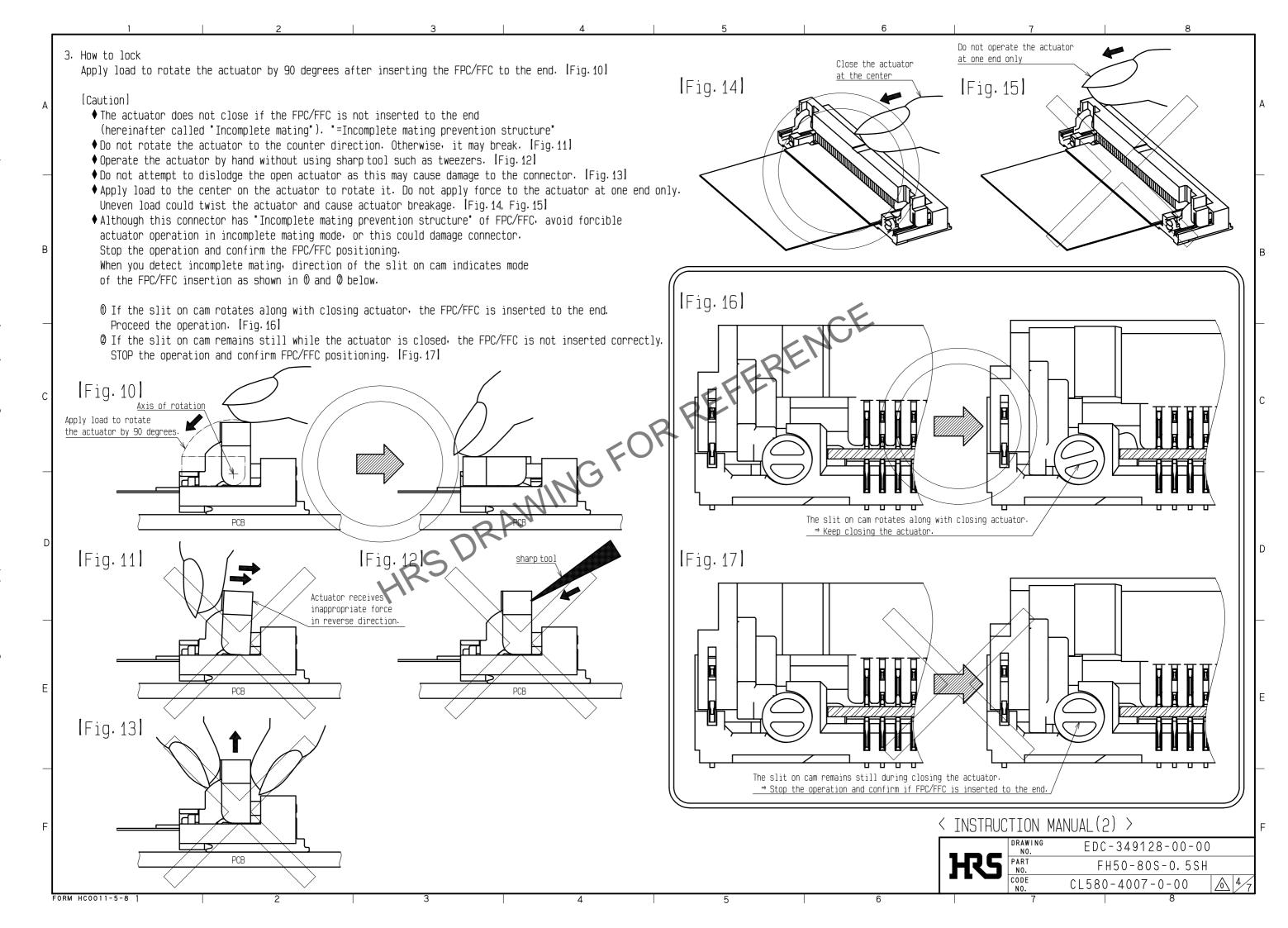
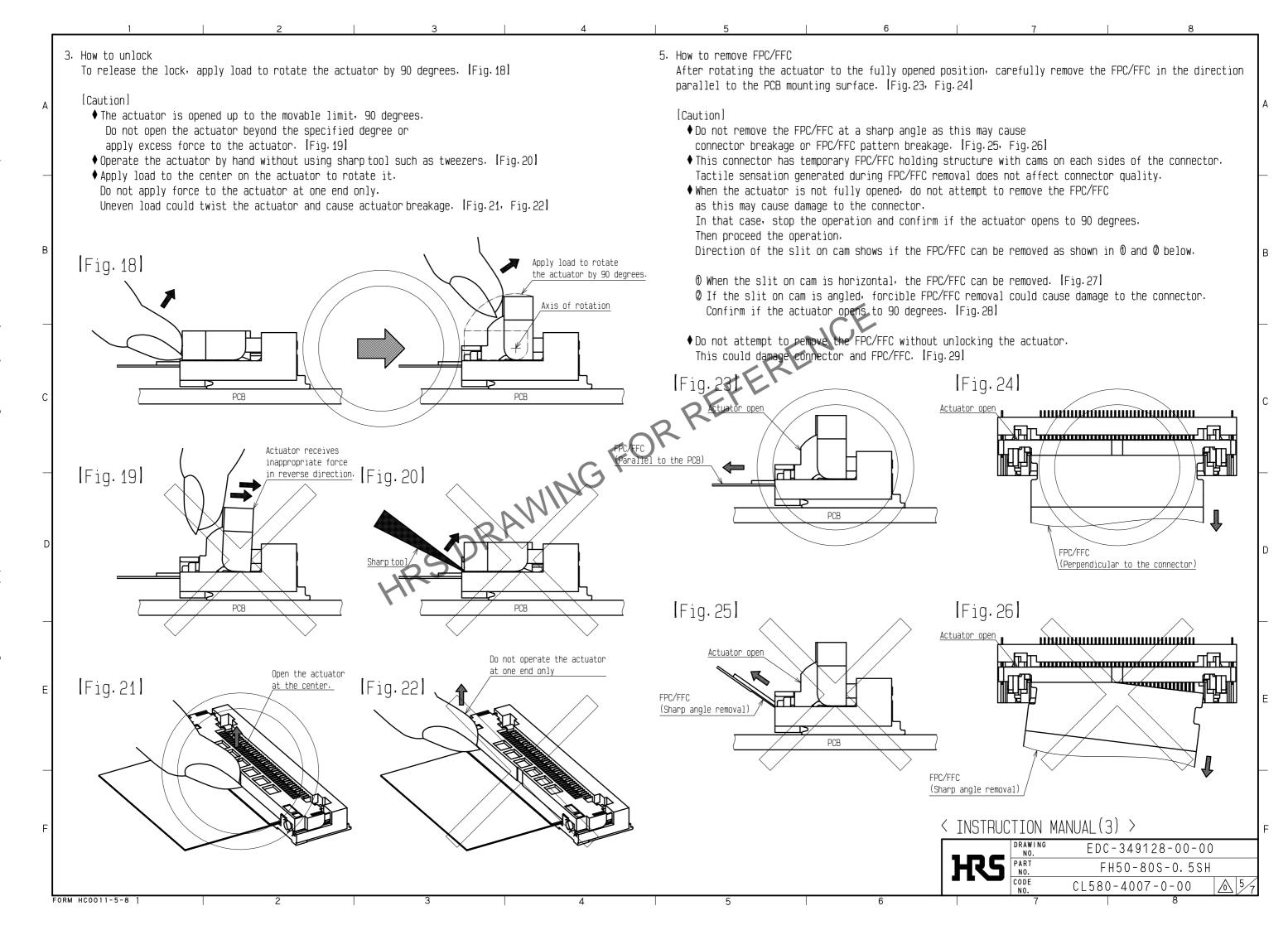
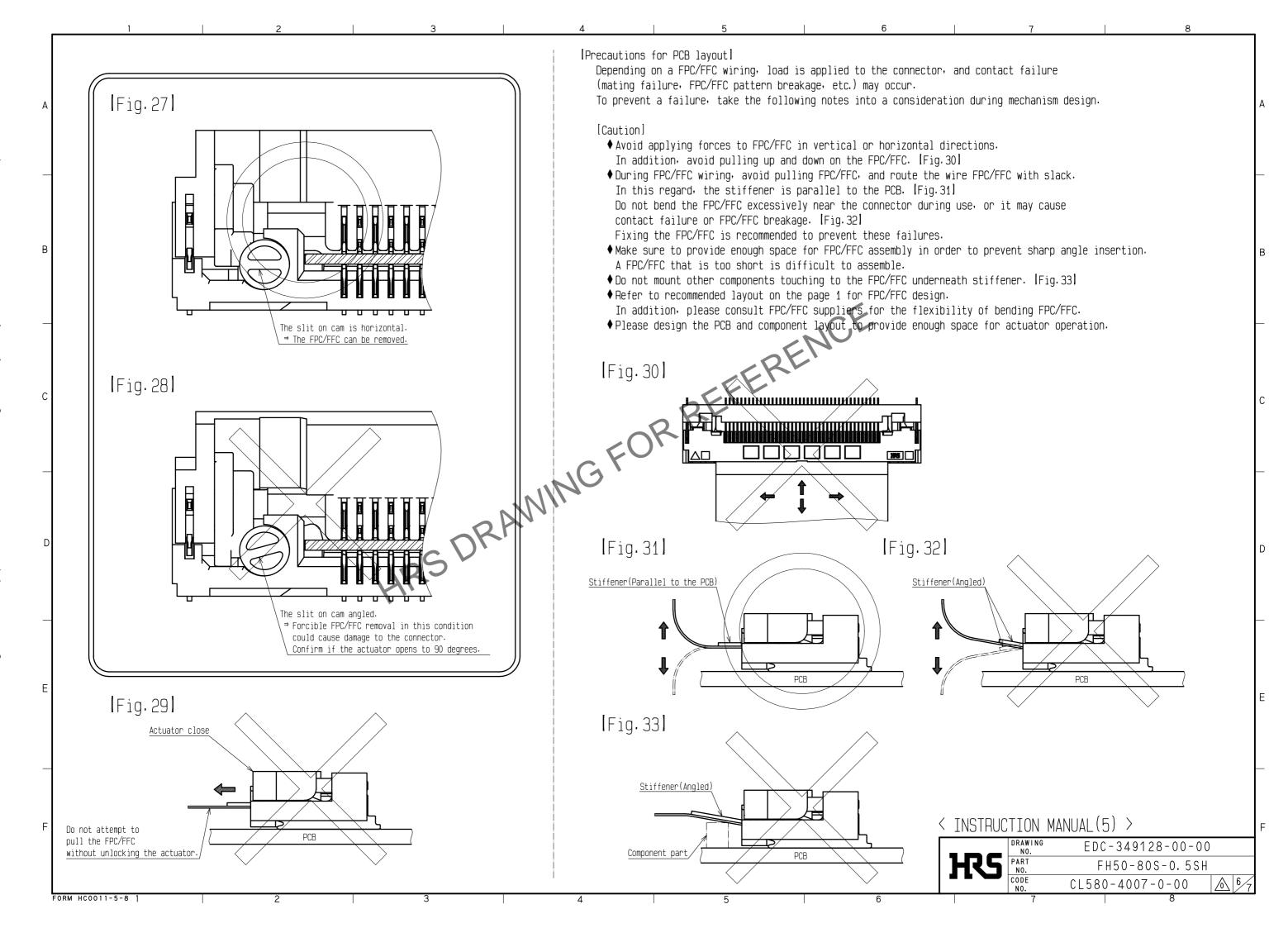


This connector requires careful handling. 2. How to insert FPC/FFC Follow recommendations given below to prevent connector/FPC/FFC breakage and contact failure Insert the FPC/FFC into the connector parallel to the PCB plane and perpendicular to the connector (mating failure, FPC/FFC pattern breakage, etc.). after opening the actuator by 90 degrees. The numerical values shown are not part of the connector specification. Insert it properly to the end. [Fig. 6, Fig. 7] | Operations and Precautions | [Caution] ♦ This is a bottom contact point connector. FPC/FFC must be inserted with the exposed contact surfaces facing down. 1. How to operate the actuator Apply load to rotate the actuator by 90 degrees. [Fig. 1] ♦ This connector has temporary FPC/FFC holding structure with cams on each sides of the connector. Tactile sensation generated during FPC/FFC insertion does not affect connector quality. ♦ Do not insert the FPC/FFC at a sharp angle as this may cause [Caution] ♦ Do not insert any tools or fingernails inside the connector while opening it contact deformation, FPC/FFC pattern breakage or only partial insertion in the connector. as this may cause damage to the contacts. [Fig. 2] Fig. 8, Fig. 9 ♦ The actuator is opened up to the movable limit, 90 degrees. Do not open the actuator beyond the specified degree or apply excess force to the actuator. [Fig. 3] ♦ Operate the actuator by hand without using sharp tool such as tweezers. [Fig. 4] Fig. 61
Actuator open ♦ Do not attempt to dislodge the open actuator as this may cause damage to the connector. [Fig. 5] [Fig. 7] [Fig. 1] Apply load to rotate the actuator by 90 degrees. Axis of rotation PCB FPC/FFC Actuator receives inappropriate force (perpendicular to the connector) IFig. 21 in reverse direction. FPC/FFC (Sharp angle insertion) [Fig. 9] IFig. 81 пинимининининий и тими Do not insert any tools or fingernails inside the connector PCB IFig.51 [Fig. 4] FPC/FFC (Sharp angle insertion) Sharp tool 굽 < INSTRUCTION MANUAL(1) > EDC-349128-00-00 HS PART NO. FH50-80S-0.5SH CL580-4007-0-00 FORM HC0011-5-8





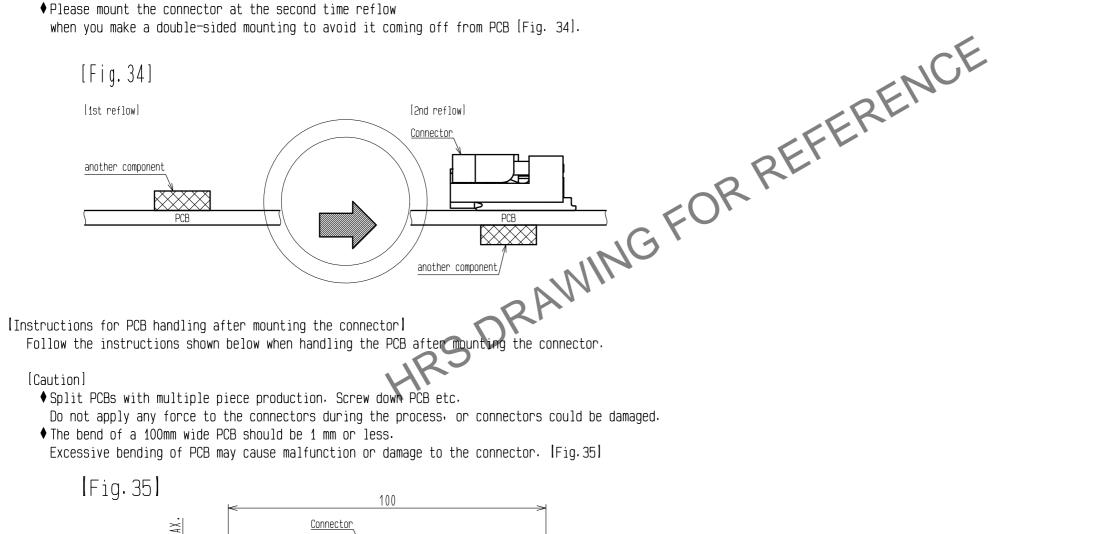


| Instructions for mounting on the PCB|

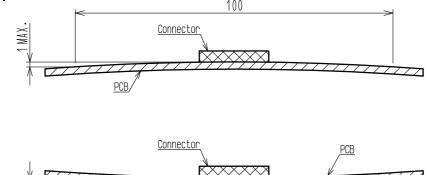
Follow the instructions shown below when mounting on the PCB.

## [Caution]

- ♦ Refer to recommended layouts on the page 1 for PCB and stencil design.
- ♦ Prevent warpage of PCB, where possible, since it can cause soldering failure ; even with 0.1mm max coplanarity.
- ♦ A stiffener must be provided on mounted side of FPC for easy handling. Confirmation is required prior to mass production.
- ♦ When unreel or pick and place the connector, do not apply any external force to the connector over 1N to prevent connector damage.
- ♦ Apply reflow temperature profile within the specified conditions. In individual applications, the actual temperature may vary, depending on solder paste type, volume/thickness and PCB size/thickness. Confirmation is required prior to mass production.
- ♦ Please mount the connector at the second time reflow when you make a double-sided mounting to avoid it coming off from PCB [Fig. 34].



FORM HC0011-5-8



Instructions for manual soldering

Follow the instructions shown below for manual soldering such as repair work.

## [Caution]

- ♦ Do not perform soldering operations with the FPC/FFC inserted in the connector.
- ♦ The soldering iron must contact only the terminals.
- Do not touch any other part of the connector with the soldering iron.
- ♦ Do not apply excessive solder (or flux).
- If excessive solder (or flux) is applied on the terminals, solder or flux may adhere to the contacts or rotating parts of the actuator,
- resulting in the poor contact or rotation failure of the actuator.
- Do not use excessive solder on the metal fittings
- as this may interfere with the actuator rotation and cause connector damage.

< INSTRUCTION MANUAL(5) >

	HS.	DRAWING NO.	EDC-349128-00-00
		PART NO.	FH50-80S-0.5SH
		CODE NO.	CL580-4007-0-00 🛕 7