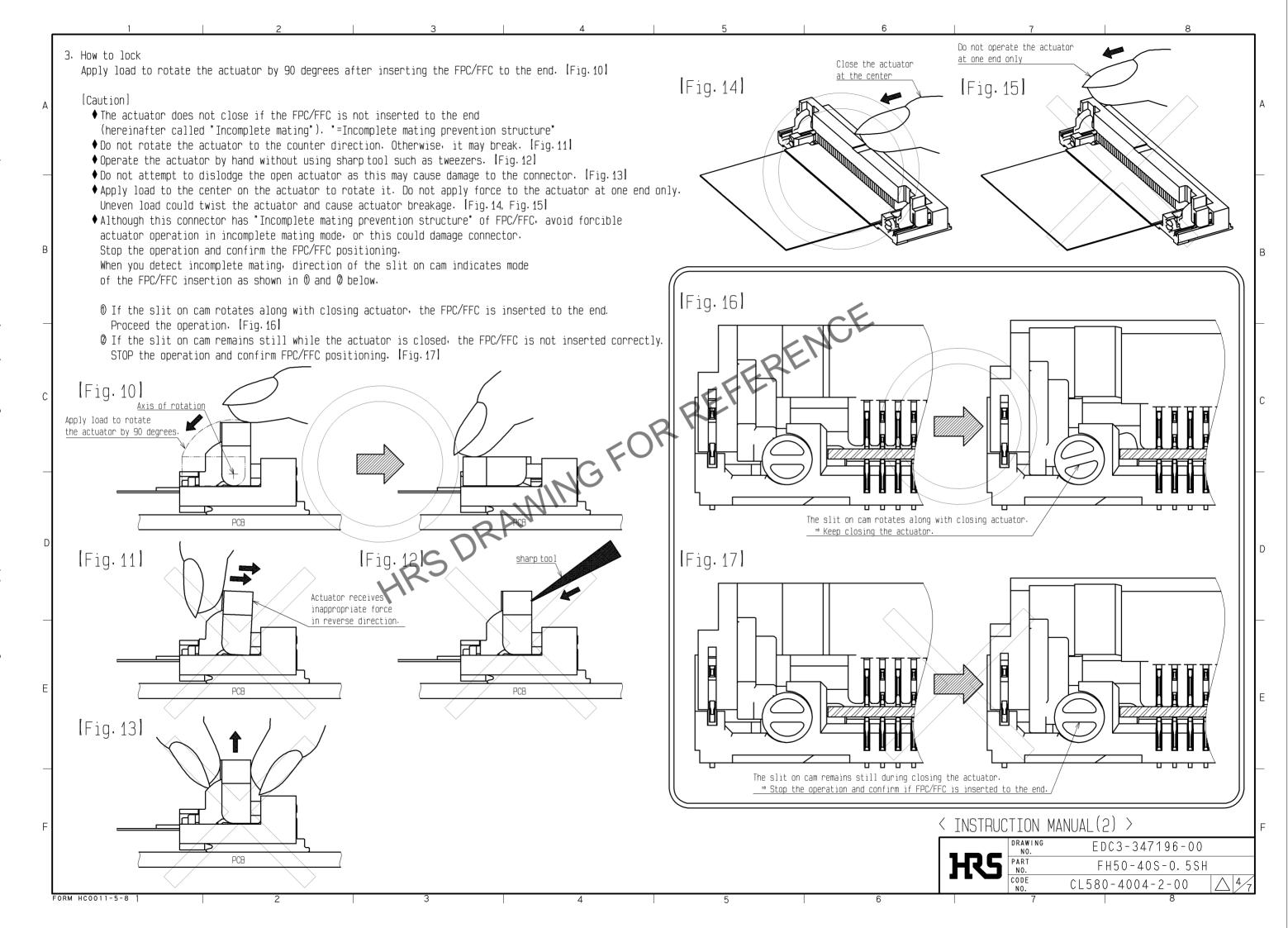
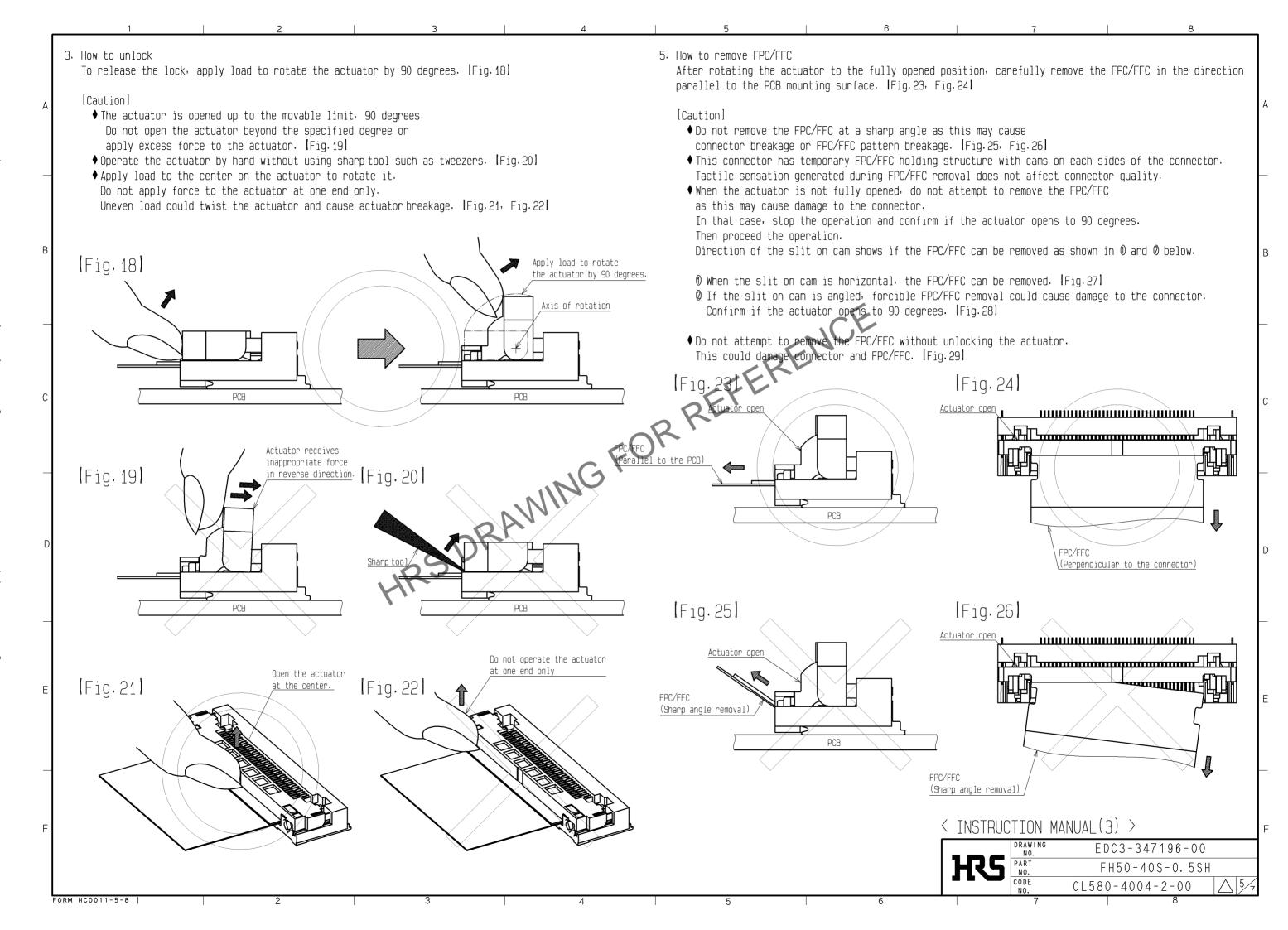


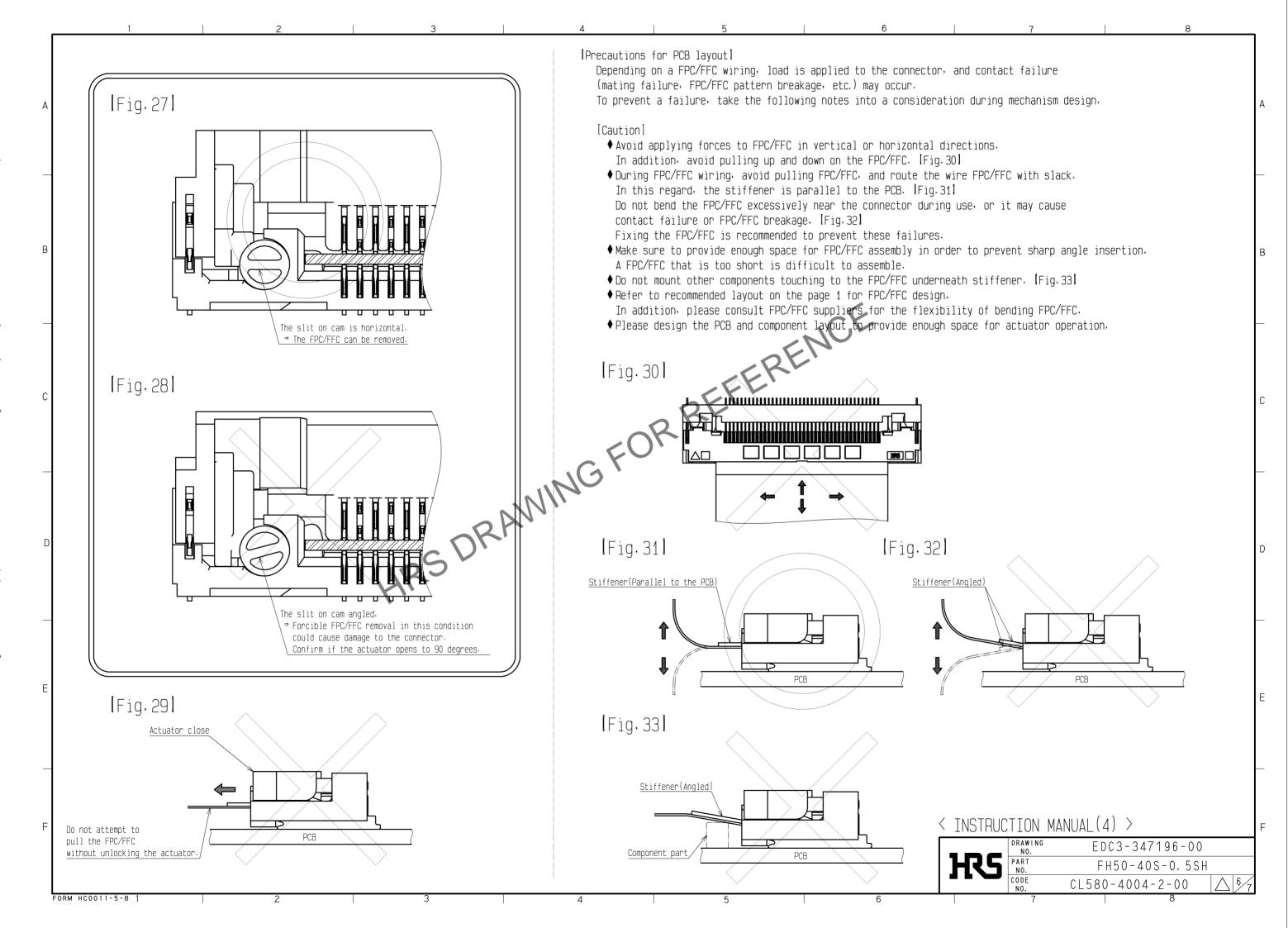
This connector requires careful handling. 2. How to insert FPC/FFC Follow recommendations given below to prevent connector/FPC/FFC breakage and contact failure Insert the FPC/FFC into the connector parallel to the PCB plane and perpendicular to the connector (mating failure, FPC/FFC pattern breakage, 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. 1. How to operate the actuator FPC/FFC must be inserted with the exposed contact surfaces facing down. 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 Fig. 6

Actuator open

FPC/FFC
(parallel to the PCB) apply excess force to the actuator. [Fig. 3] ♦ Operate the actuator by hand without using sharp tool such as tweezers. [Fig. 4] ♦ 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 Actuator receives inappropriate force (perpendicular to the connector) IFig. 21 in reverse direction. FPC/FFC (Sharp angle insertion) [Fig. 9] [Fig. 8] Do not insert any tools or fingernails inside the connector PCB IFig.51 [Fig. 4] FPC/FFC (Sharp angle insertion) Sharp tool < INSTRUCTION MANUAL(1) > EDC3-347196-00 FH50-40S-0.5SH CL580-4004-2-00 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.

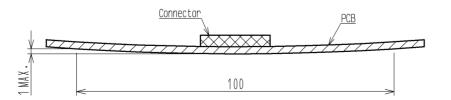
[Instructions for PCB handling after mounting the connector]

Follow the instructions shown below when handling the PCB after mounting the connector.

[Caution]

- ♦ Split PCBs with multiple piece production. Screw down PCB etc. Do not apply any force to the connectors during the process, or connectors could be damaged.
- ♦ The bend of a 100mm wide PCB should be 1 mm or less. Excessive bending of PCB may cause malfunction or damage to the connector. [Fig. 34]

[Fig. 34] Connector



[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.

. 19.34 FOR REFERENCE

ARS DRAWING

< INSTRUCTION MANUAL(5) >

	HS.	DRAWING NO.	EDC3-347196-00	
▎▐		PART NO.	FH50-40S-0.5SH	
-		CODE NO.	CL580-4004-2-00	7/.

FORM HC0011-5-8