

	PART NUMBER	CODE NUMBER	NUMBER OF CONTACTS	DIMENSION OF CONNECTOR, PCB MOUNTING PATTERN, STENCIL PATTERN, FPC						DIMENSION OF DRAWING FOR PACKING					
				Α	В	С	D	Е	F	G	J	K	L	М	N
\triangle	FH64MA-5S-0.25SHW(99)	CL580-4643-0-99	5	3.2	2	1	0.5	2.73	2.7	1.68	16	7.5	17.4	21.4	1.86
	FH64MA-7S-0.25SHW(99)	CL580-4610-0-99	7	3.7	2.5	1.5	1	3.23	3.2	2.18	16	7.5	17.4	21.4	2.36
	FH64MA-9S-0.25SHW(99)	ı	9	4.2	3	2	1.5	3.73	3.7	2.68	16	7.5	17.4	21.4	2.86
	FH64MA-11S-0.25SHW(99)	CL580-4612-0-99	11	4.7	3.5	2.5	2	4.23	4.2	3.18	16	7.5	17.4	21.4	3.36
	FH64MA-13S-0.25SHW(99)	-	13	5.2	4	3	2.5	4.73	4.7	3.68	16	7.5	17.4	21.4	3.86
	FH64MA-15S-0.25SHW(99)	CL580-4608-0-99	15	5.7	4.5	3.5	3	5.23	5.2	4.18	16	7.5	17.4	21.4	4.36
	FH64MA-17S-0.25SHW(99)	I	7	6.2	5	4	3.5	5.73	5.7	4.68	16	7.5	17.4	21.4	4.86
	FH64MA-19S-0.25SHW(99)	CL580-4616-0-99	19	6.7	5.5	4.5	4	6.23	6.2	5.18	16	7.5	17.4	21.4	5.36
	FH64MA-21S-0.25SHW(99)	ı	21	7.2	6	5	4.5	6.73	6.7	5.68	24	11.5	25.4	29.4	5.86
A	FH64MA-23S-0.25SHW(99)	I	23	7.7	6.5	5.5	5	7.23	7.2	6.18	24	11.5	25.4	29.4	6.36
<u> </u>	FH64MA-25S-0.25SHW(99)	CL580-4642-0-99	25	8.2	7	6	5.5	7.73	7.7	6.68	24	11.5	25.4	29.4	6.86
A	FH64MA-31S-0.25SHW(99)	_	31	9.7	8.5	7.5	7	9.23	9.2	8.18	24	11.5	25.4	29.4	8.36

25S-0.25SHW(99)

31S-0.25SHW(99)

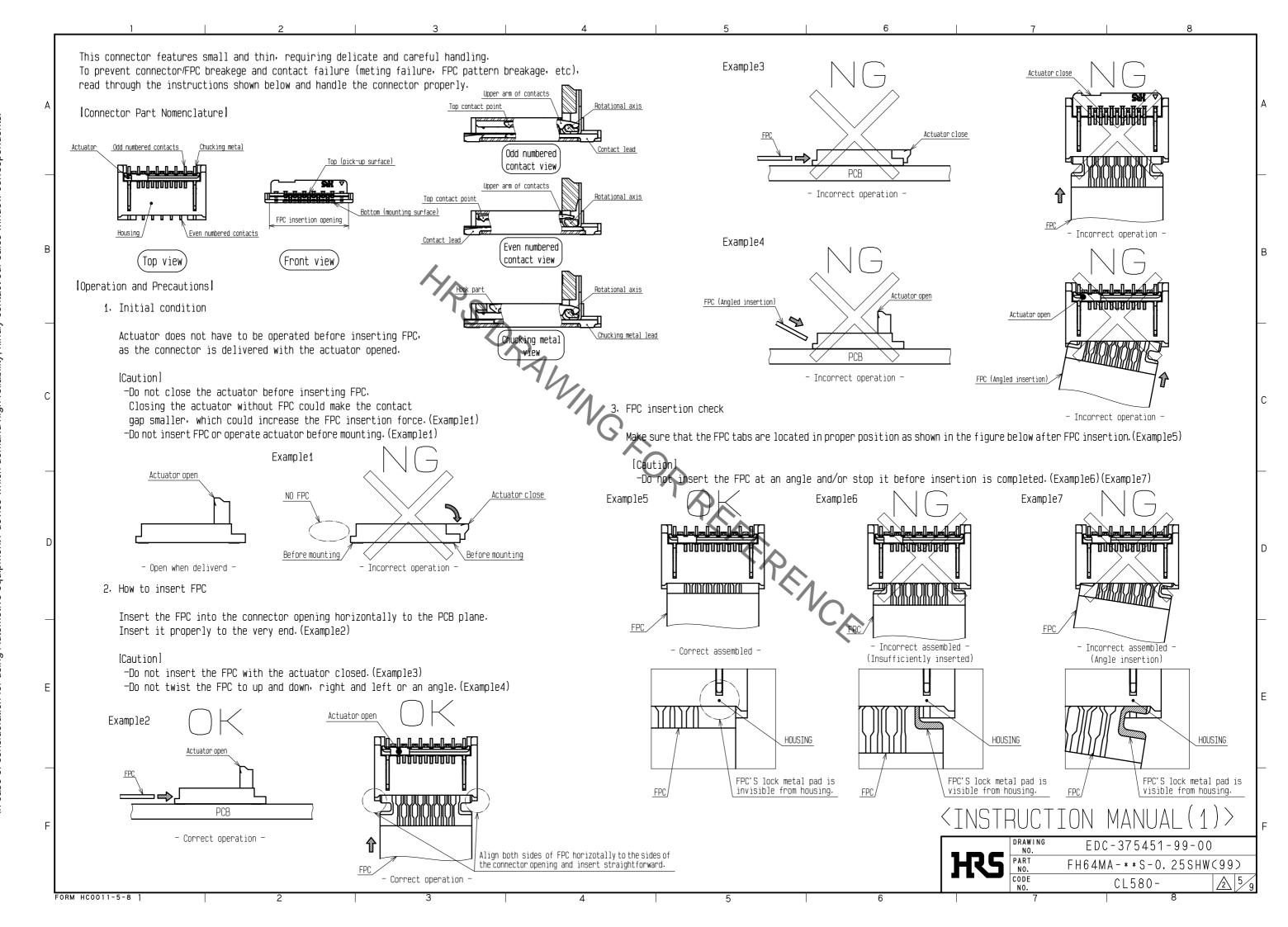
CONTACT POSITIONS WITHOUT CODE NUMBERS ARE CURRENTLY UNDER PLANNING.

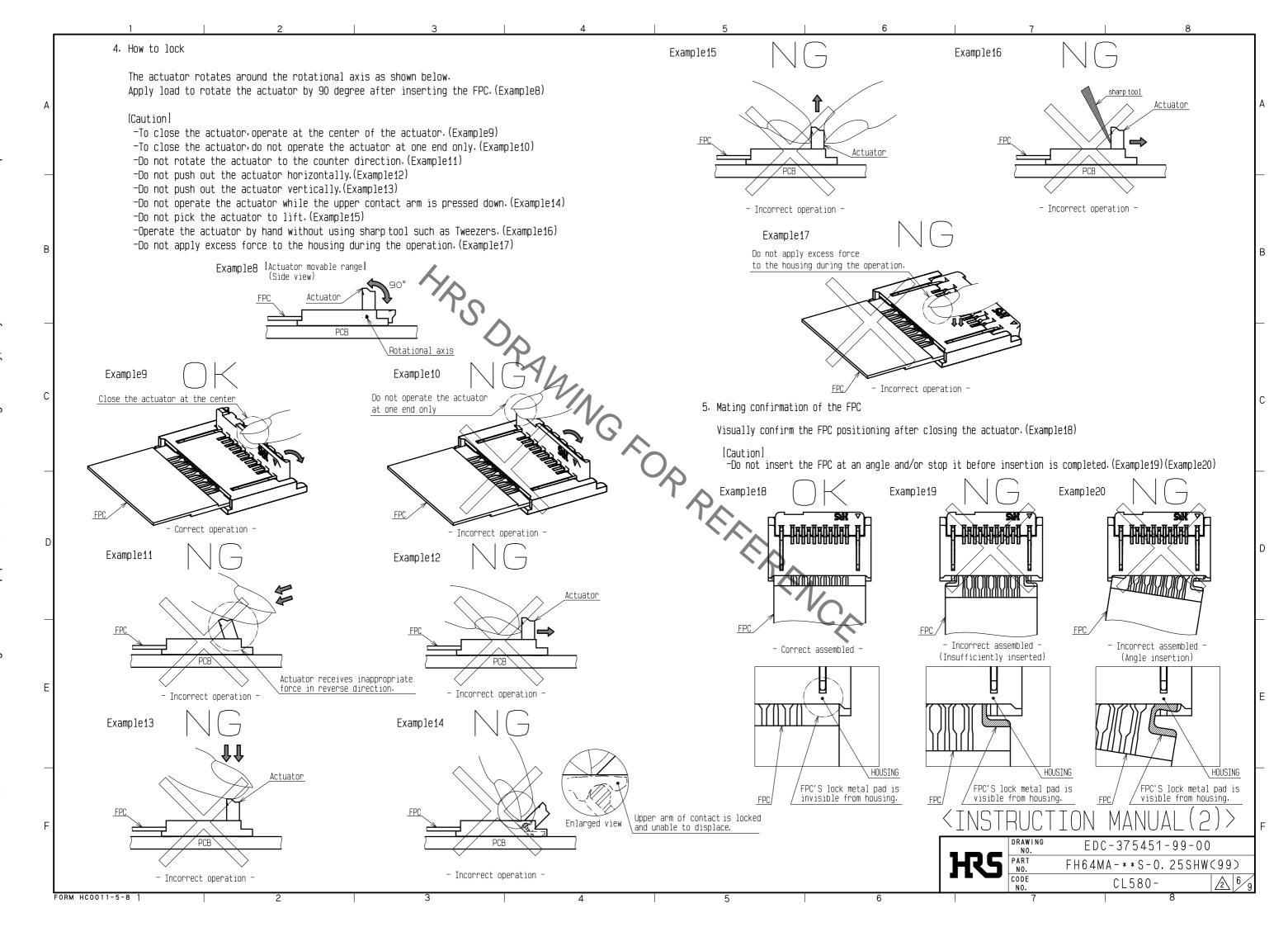
PLEASE CONTACT HIROSE FOR DETAILED INFORMATION ABOUT PRODUCT VARIATION

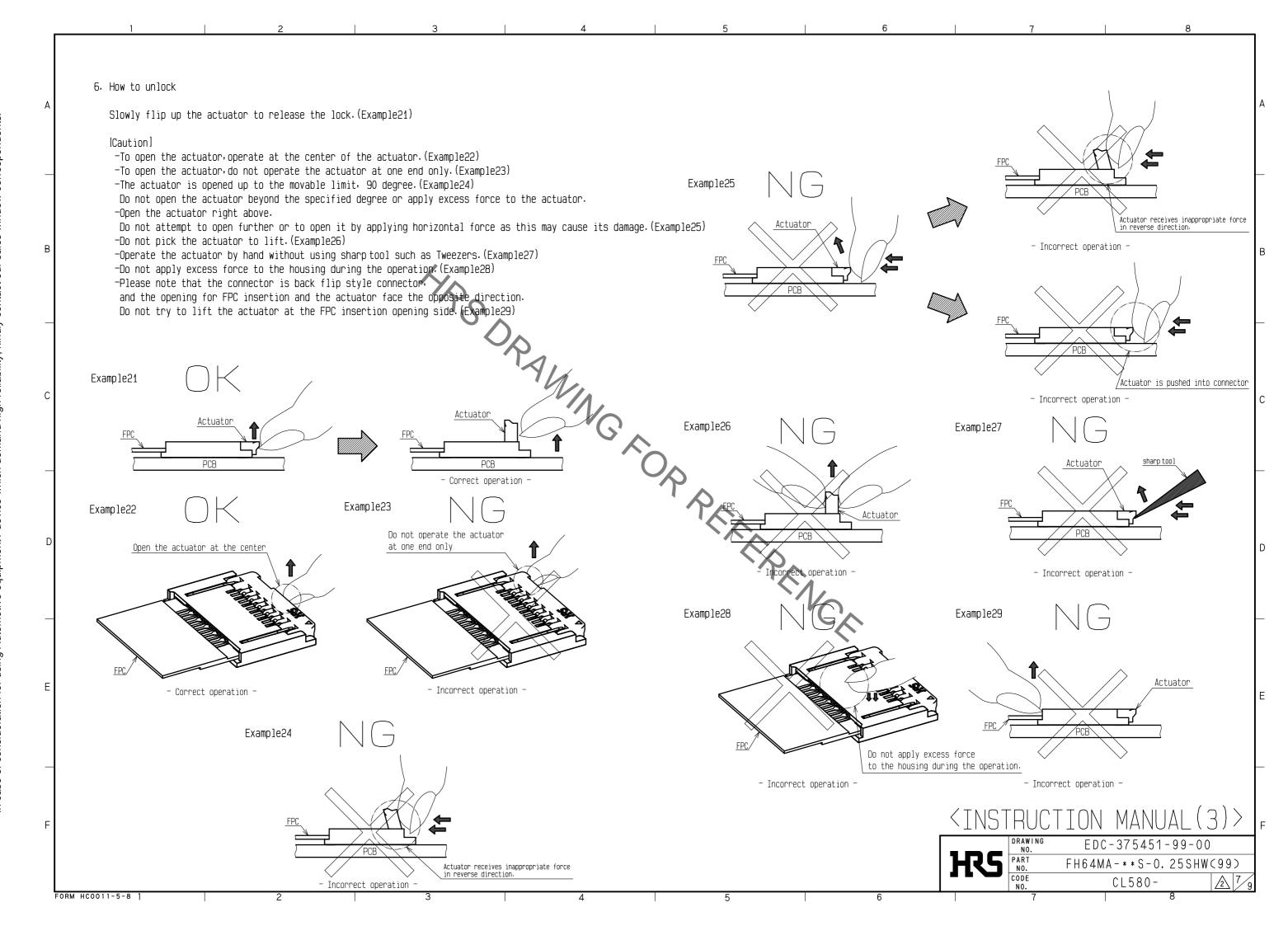
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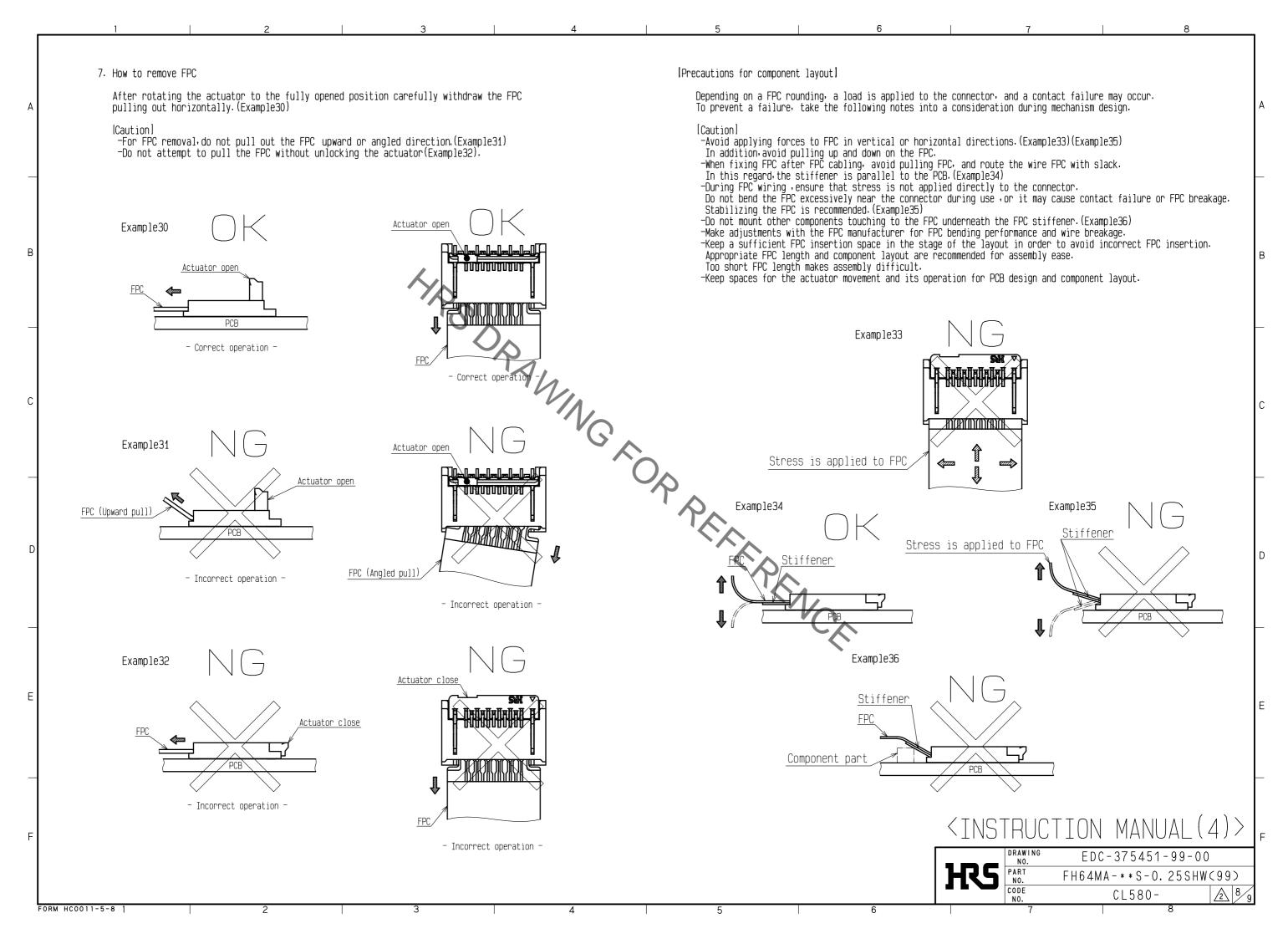
	DRAWING NO.	EDC-375451-99-00		
H ₂ S	PART NO.	FH64MA-**S-0.25SHW	(99)
	CODE NO.	CL580-	2	4

M HC0011-5-8 1 2 3 4 5









Instructions for mounting on the PCB Follow the instructions shown below when mounting on the PCB. ⚠ |Recommended reflow temperature profile| [Caution] -Refer to recommended layouts on the page 1 for PCB and stencil pattern. The temperatures mentioned above refer to the PCB surface -Shorter pattern width than the recommended PCB dimension, temperature near the connector leads. could cause solder wicking and/or flux penetration. In individual applications the actual temperature may vary, -Larger pattern than the recommended stencil dimension. depending on solder paste type, volume/thickness and board'size/thickness. could cause solder wicking and/or flux penetration. -Clearance underneath the contact and the housing is very small. Reflow method: IR reflow In case solder resist and/or silk screening are applied on PCB underneath the connector. Number of reflow cycles:2 cycles MAX. verify the thickness, or it could push up the connector bottom and may cause soldering defect and/or insufficient fillet formation. -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. Consult your solder paste and equipment manufacturer for specific recommendations. MAX250°C -Prevent warpage of PCB, where possible, since it can cause soldering failure 245 even with 0.1 mm max coplanarity. -When mounting on the flexible board, please make sure to put a stiffener වු on the backside of the flexible board. We recommend a glass epoxy material with the thickness of 0.3 mm min. -Do not add 0.5 N or greater external force when unreel or pick and place the connector etc. **Temperature** 200 or it may get broken. 180°C Instructions for PCB handling after mounting the connector Follow the instructions shown below when mounting on the PCB. 150 150°C [Caution] - ·Splitting a large PCB into several pieces ·Screwing the PCB Avoid the handling described above so that no force is exerted on the PCB during the assembly process 100 Otherwise, the connector may become defective. -The warp of a 100 mm wide PCB should be 0.5 mm or less. !20 to 40; The warp of PCB suffers stress on connector and the connector may become defective. (Example 37) sec. 5 MAX Example 37 Peak temperature Connector 120±5 sec. 60 to 90 sec. $\dot{\circ}$ Preheating time Soldering time 5 MAX Connector Time (sec.) $\dot{}$ 100 Instructions on manual soldering Follow the instructions shown below when soldering the connector manually during repair work, etc. [Caution] -Do not perform manual soldering with the FPC inserted into the connector.
-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. —Do not supply excessive solder (or flux).

<INSTRUCTION MANUAL(5)>

220°C

HR5 | DRAWING | EDC-375451-99-00 | PART | NO. | FH64MA-**S-0.25SHW(99) | CODE | NO. | CL580- | 2 9

L FORM HC0011-5-8 1 2 3 4 5

If excessive solder (or flux) is supplied on the terminals or chucking metals, 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 chucking metals may hinder actuator rotation.

resulting in breakage of the connector.

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