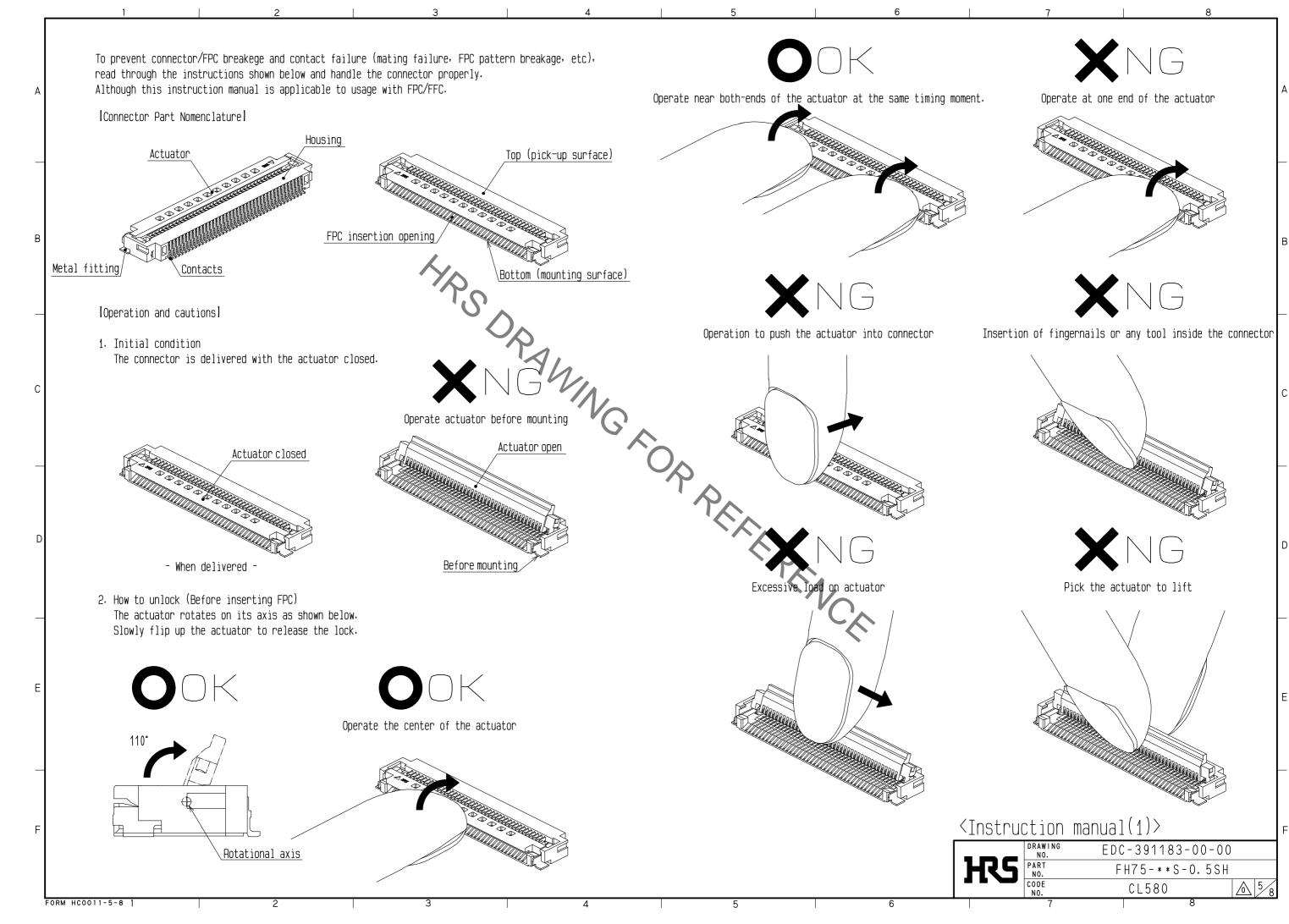
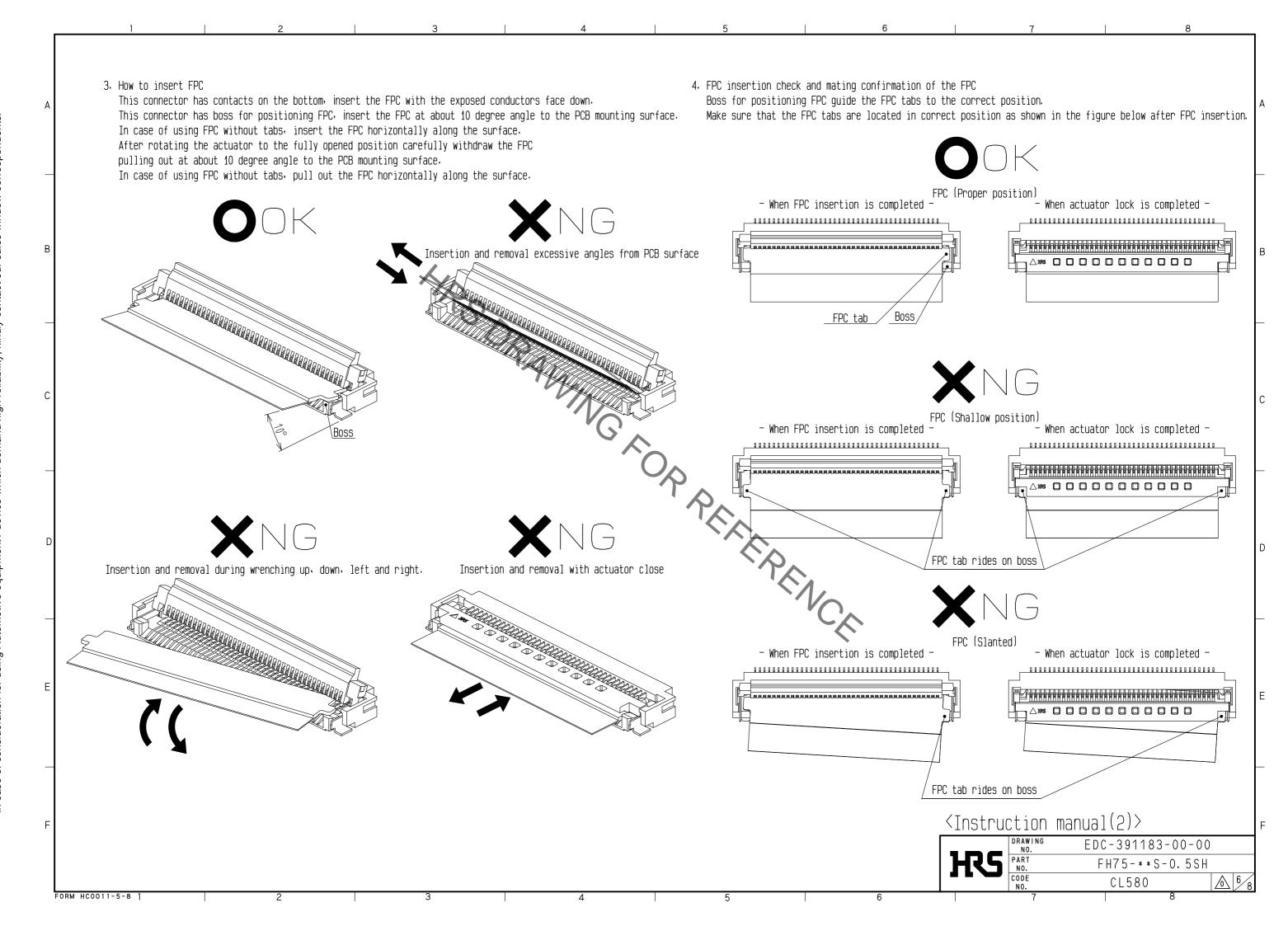


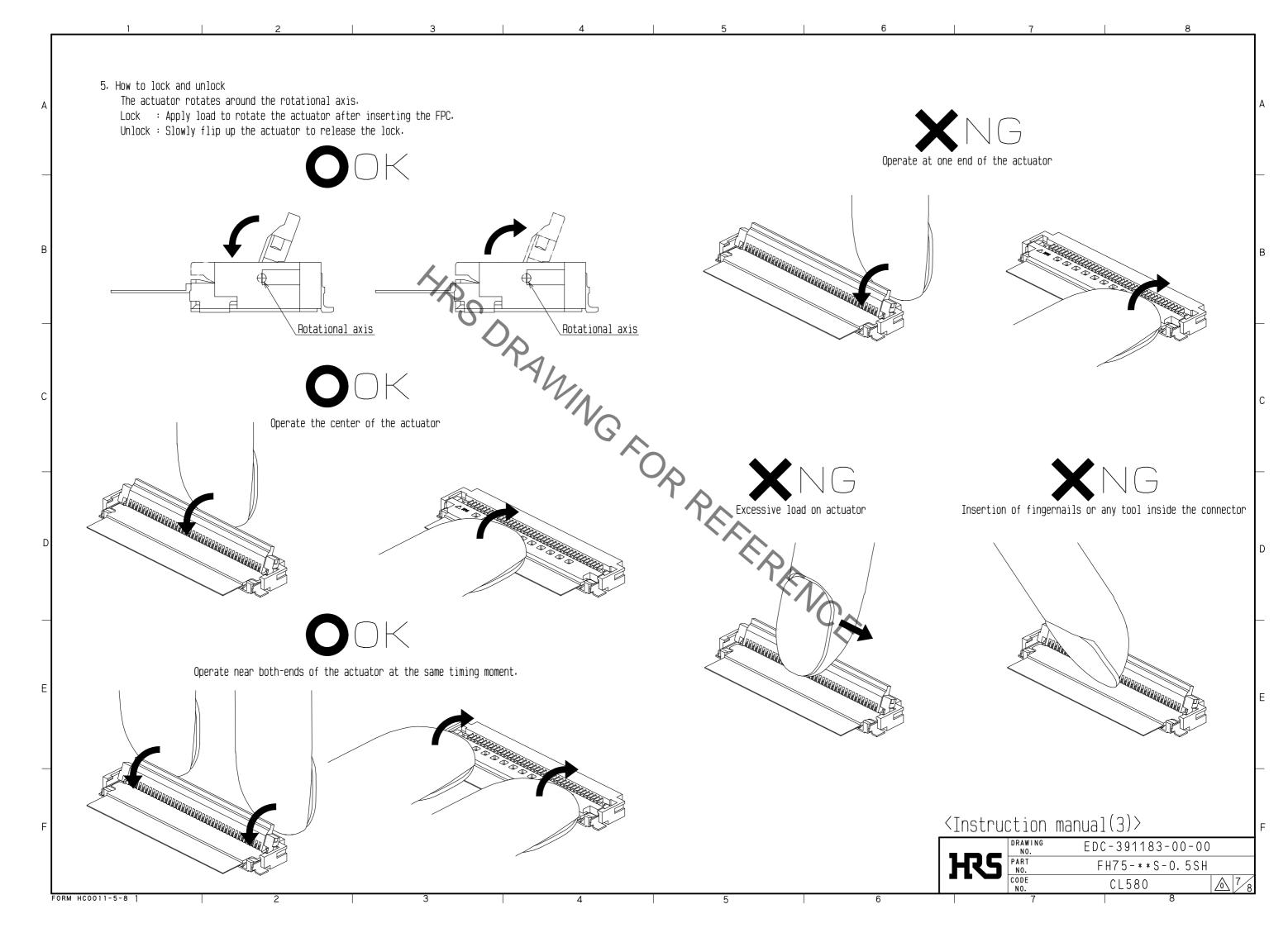
Part No.	Code Number	Number of	Dimension of connector, PCB mounting pattern, stencil pattern and FPC/FFC							Dimension of drawing for packing					
		contacts	Α	В	С	D	E	F	G	Н	J	K	L	М	N
FH75-6S-0.5SH		6	7.3	2.5	3.57	5.55	7.3	5.1	5.1	3.5	11.5	24	_	25.4	29.4
FH75-8S-0.5SH		8	8.3	3.5	4.57	6.55	8.3	6.1	6.1	4.5	11.5	24	_	25.4	29.4
FH75-10S-0.5SH		10	9.3	4.5	5.57	7.55	9.3	7.1	7.1	5.5	11.5	24	_	25.4	29.4
FH75-12S-0.5SH		12	10.3	5.5	6.57	8.55	10.3	8.1	8.1	6.5	11.5	24	_	25.4	29.4
FH75-15S-0.5SH		15	11.8	7.0	8.07	10.05	11.8	9.6	9.6	8.0	11.5	24	_	25.4	29.4
FH75-18S-0.5SH		18	13.3	8.5	9.57	11.55	13.3	11.1	11.1	9.5	11.5	24	_	25.4	29.4
FH75-20S-0.5SH		20	14.3	9.5	10.57	12.55	14.3	12.1	12.1	10.5	11.5	24	_	25.4	29.4
FH75-22S-0.5SH		22	15.3	10.5	11.57	13.55	15.3	13.1	13.1	11.5	14.2	32	28.4	33.4	37.4
FH75-24S-0.5SH		24	16.3	11.5	12.57	14.55	16.3	14.1	14.1	12.5	14.2	32	28.4	33.4	37.4
FH75-25S-0.5SH		25	16.8	12.0	13.07	15.05	16.8	14.6	14.6	13.0	14.2	32	28.4	33.4	37.4
FH75-26S-0.5SH		26	17.3	12.5	13.57	15.55	17.3	15.1	15.1	13.5	14.2	32	28.4	33.4	37.4
FH75-30S-0.5SH		30	19.3	14.5	15.57	17.55	19.3	17.1	17.1	15.5	20.2	44	40.4	45.4	49.4
FH75-32S-0.5SH		32	20.3	15.5/	16.57	18.55	20.3	18.1	18.1	16.5	20.2	44	40.4	45.4	49.4
FH75-34S-0.5SH		34	21.3	16.5	17.57	19.55	21.3	19.1	19.1	17.5	20.2	44	40.4	45.4	49.4
FH75-40S-0.5SH	CL0580-5300-0-00	40	24.3	19.5	20.57	22.55	24.3	22.1	22.1	20.5	20.2	44	40.4	45.4	49.4
FH75-45S-0.5SH		45	26.8	22.0	23.07	25.05	26.8	24.6	24.6	23.0	20.2	44	40.4	45.4	49.4
FH75-50S-0.5SH		50	29.3	24.5	25.57	27.55	29.3	27.1	27.1	25.5	20.2	44	40.4	45.4	49.4
FH75-60S-0.5SH		60	34.3	29.5	30.57	32.55	34.3	32.1	32.1	30.5	26.2	56	52.4	61.4	57.4
FH75-64S-0.5SH		64	36.3	31.5	32.57	34.55	36.3	34.1	34.1	32.5	26.2	56	52.4	61.4	57.4
FH75-68S-0.5SH		68	38.3	33.5	34.57	36.55	38.3	36.1	36.1	34.5	26.2	56	52.4	61.4	57.4
FH75-80S-0.5SH		80	44.3	39.5	40.57	42.55	44.3	42.1	42.1	40.5	34.2	72	68.4	73.4	77.4
%The products Please conta	without code nact Hirose for d	umber etaile	are cu dinfo	rrently rmatio	y under n about	p lann produ	ing. ct vari	ation:	PEN	(C)					

HRS DRAWING
NO.
PART
NO.
CODE
NO. EDC-391183-00-00 FH75-**S-0.5SH <u>|</u> 4/8 CL580

FORM HC0011-5-8 1







| Instructions for PCB layout

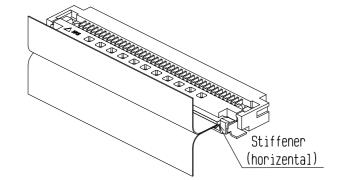
Please design a PCB layout not to apply load to connector and FPC.

[Cautions]

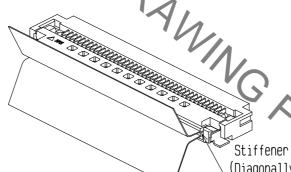
- When fixing FPC after FPC cabling, avoid pulling FPC, and route the wire FPC with slack. In this regard, the stiffener is parallel to the PCB.
- Do not mount other components touching to the FPC underneath the FPC stiffener.
- Make adjustments with the FPC manufacturer for FPC bending performance and wire breakage.
- Keep spaces for the actuator movement and its operation for PCB design and component layout.
- Please contact Hirose incase you would like to use an FPC with a different dimension or shape than recommended.

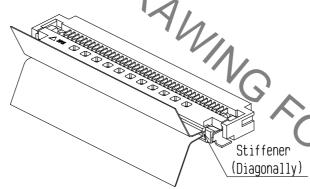


No load applied to stiffener



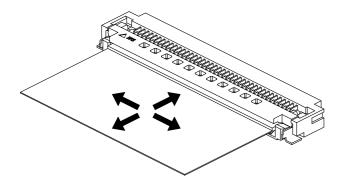




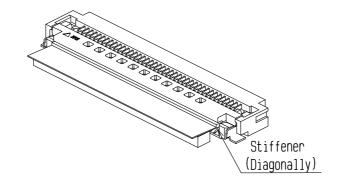




Housing or parts interfering with the FPC



Load applied to FPC



|Instructions for mounting on the PCB|

- Refer to recommended layouts for PCB, stencil pattern and FPC dimension.
- When there is silk printing etc. on the bottom of the connector, please check the mounting condition before use.
- Apply reflow temperature profile within the specified conditions. The mounting condition may change depending on the type of cream solder, manufacturer, PCB size. Please check the mounting condition before use and conditions of other mounting parts.
- Prevent warpage of PCB. the co-planarity of the connector is less than 0.1mm. but when the warpage of the PCB is large, soldering failure occurs.
- When mounting on the flexible board, please make sure to put a stiffener 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 adsorb the connector etc. or it may get broken.

Instructions for PCB handling after mounting the connector

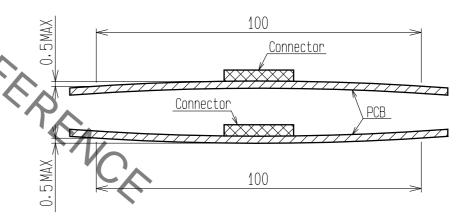
Due to warpage of the PCB, load may be applied to the connector and it may be damaged.

- ·Splitting a large PCB into several pieces
- ·Screwing the PCB

During the handling described above, do not exert an excessive force on the PCB. Otherwise, the connector may become defective.

-The warp of a 100 mm wide PCB should be 0.5 mm or less.

The warp of PCB suffers stress on connector and the connector may become defective



| Instructions of hand soldering

- Do not perform hand soldering with the FPC inserted into the connector.
- Do not apply excessive heat. And soldering iron must not touch connector except terminal leads area.
- Do not supply excessive solder (flux).

<Instruction manual(4)>

		DRAWING NO.	EDC-391183-00-00		
l	H ₂ S	PART NO.	FH75-**S-0.5SH		
•		CODE NO.	CL580	\Diamond	8/8
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FORM HC0011-5-8