

	Number of				Dimension of connector, PCB mounting pattern, metal mask, FPC, FFC, and shielded FFC										Dimension of drawing for packing					
	Part No.	Code Number	contacts	Α	В	С	D	Е	F	G	Н	J	К	L	М	Р	Q	R	S	U
A	FH63-10S-0.5SH	CL580-4401-0-00	10	12.7	4.5	5.55	4	2	7.15	9.9	3	7.1	5.5	9.1	4.9	24	_	11.5	29.4	25.4
	FH63-12S-0.5SH		12	13.7	5.5	6.55	5	1.5	8.15	10.9	4	8.1	6.5	10.1	5.9	24	_	11.5	29.4	25.4
	FH63-14S-0.5SH		14	14.7	6.5	5.55	6	2	9.15	11.9	4	9.1	7.5	11.1	6.9	32	28.4	14.2	37.4	33.4
	FH63-16S-0.5SH		16	15.7	7.5	6.55	7	1.5	10.15	12.9	5	10.1	8.5	12.1	7.9	32	28.4	14.2	37.4	33.4
	FH63-18S-0.5SH		18	16.7	8.5	5.55	8	2	11.15	13.9	5	11.1	9.5	13.1	8.9	32	28.4	14.2	37.4	33.4
	FH63-20S-0.5SH		20	17.7	9.5	6.55	9	1.5	12.15	14.9	6	12.1	10.5	14.1	9.9	32	28.4	14.2	37.4	33.4
	FH63-22S-0.5SH		22	18.7	10.5	5.55	10	2	13.15	15.9	6	13.1	11.5	15.1	10.9	44	40.4	20.2	49.4	45.4
	FH63-24S-0.5SH		24	19.7	11.5	6.55	11	1.5	14.15	16.9	7	14.1	12.5	16.1	11.9	44	40.4	20.2	49.4	45.4
	FH63-26S-0.5SH		26	20.7	12.5	5.55	12	2	15.15	17.9	7	15.1	13.5	17.1	12.9	44	40.4	20.2	49.4	45.4
	FH63-28S-0.5SH		28	21.7	13.5	6.55	13	1.5	16.15	18.9	8	16.1	14.5	18.1	13.9	44	40.4	20.2	49.4	45.4
	FH63-30S-0.5SH	CL580-4400-0-00	30	22.7	14.5	5.55	14	2	17.15	19.9	8	17.1	15.5	19.1	14.9	44	40.4	20.2	49.4	45.4
	FH63-32S-0.5SH		32	23.7	15.5	6.55	15	1.5	18.15	20.9	9	18.1	16.5	20.1	15.9	44	40.4	20.2	49.4	45.4
	FH63-34S-0.5SH		34	24.7	16.5	7.55	16	2	19.15	21.9	9	19.1	17.5	21.1	16.9	44	40.4	20.2	49.4	45.4
	FH63-36S-0.5SH		36	25.7	17.5	8.55	17	1.5	20.15	22.9	10	20.1	18.5	22.1	17.9	44	40.4	20.2	49.4	45.4
	FH63-38S-0.5SH		38	26.7	18.5	9.55	18	2	21.15	23.9	10	21.1	19.5	23.1	18.9	44	40.4	20.2	49.4	45.4
A	FH63-40S-0.5SH	CL580-4403-0-00	40	27.7	19.5	10.55	19	1.5	22.15	24.9	11	22.1	20.5	24.1	19.9	44	40.4	20.2	49.4	45.4
	FH63-42S-0.5SH		42	28.7	20.5	11.55	20	2	23.15	25.9	11	23.1	21.5	25.1	20.9	44	40.4	20.2	49.4	45.4
	FH63-44S-0.5SH		44	29.7	21.5	12.55	21	1.5	24.15	26.9	12	24.1	22.5	26.1	21.9	44	40.4	20.2	49.4	45.4
	FH63-46S-0.5SH		46	30.7	22.5	13.55	22	2	25.15	27.9	12	25.1	23.5	27.1	22.9	56	52.4	26.2	61.4	57.4
	FH63-48S-0.5SH		48	31.7	23.5	14.55	23	1.5	26.15	28.9	13	26.1	24.5	28.1	23.9	56	52.4	26.2	61.4	57.4
	FH63-50S-0.5SH		50	32.7	24.5	15.55	24	2	27.15	29.9	13	27.1	25.5	29.1	24.9	56	52.4	26.2	61.4	57.4
	FH63-52S-0.5SH		52	33.7	25.5	16.55	25	1.5	28.15	30.9	14	28.1	26.5	30.1	25.9	56	52.4	26.2	61.4	57.4
	FH63-54S-0.5SH		54	34.7	26.5	17.55	26	2	29.15	31.9	14	29.1	27.5	31.1	26.9	56	52.4	26.2	61.4	57.4
	FH63-56S-0.5SH		56	35.7	27.5	18.55	27	1.5	30.15	32.9	15	30.1	28.5	32.1	27.9	56	52.4	26.2	61.4	57.4
	FH63-58S-0.5SH		58	36.7	28.5	19.55	28	2	31.15	33.9	15	31.1	29.5	33.1	28.9	56	52.4	26.2	61.4	57.4
	FH63-60S-0.5SH		60	37.7	29.5	20.55	29	1.5	32.15	34.9	16	32.1	30.5	34.1	29.9	56	52.4	26.2	61.4	57.4

※The products without code number are currently under planning.

Please contact HIROSE for detailed information about product variation.

Output

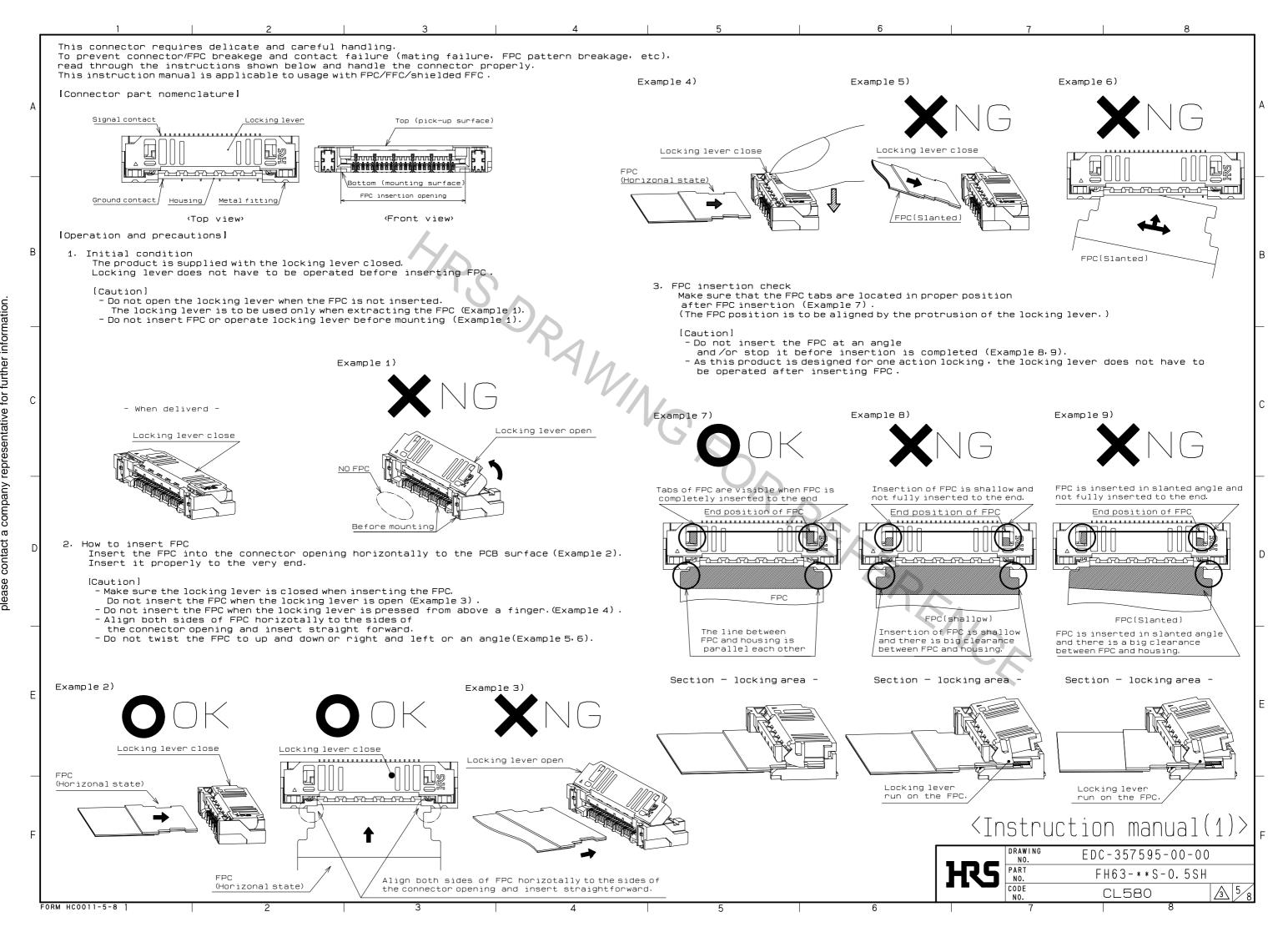
Description

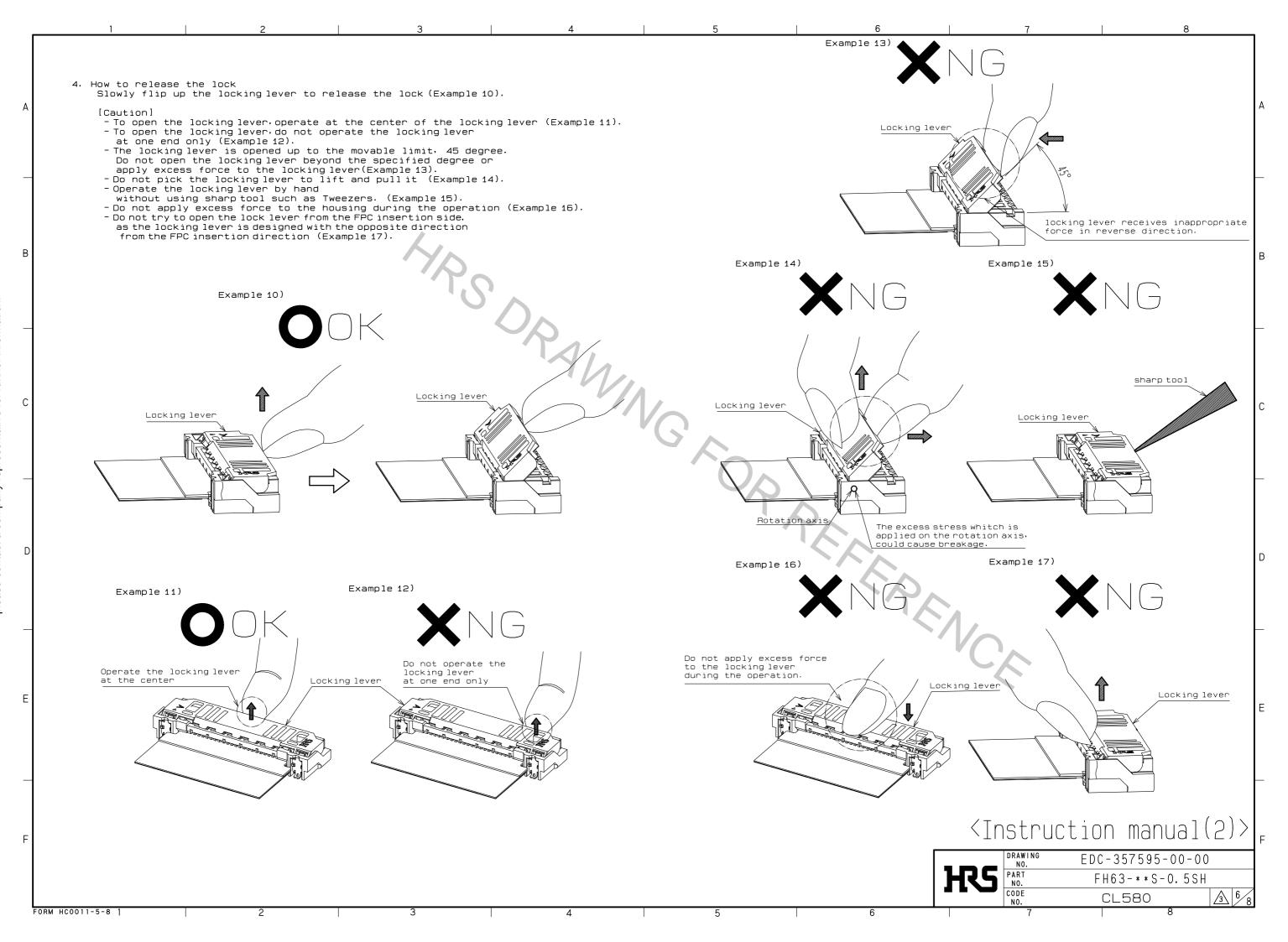
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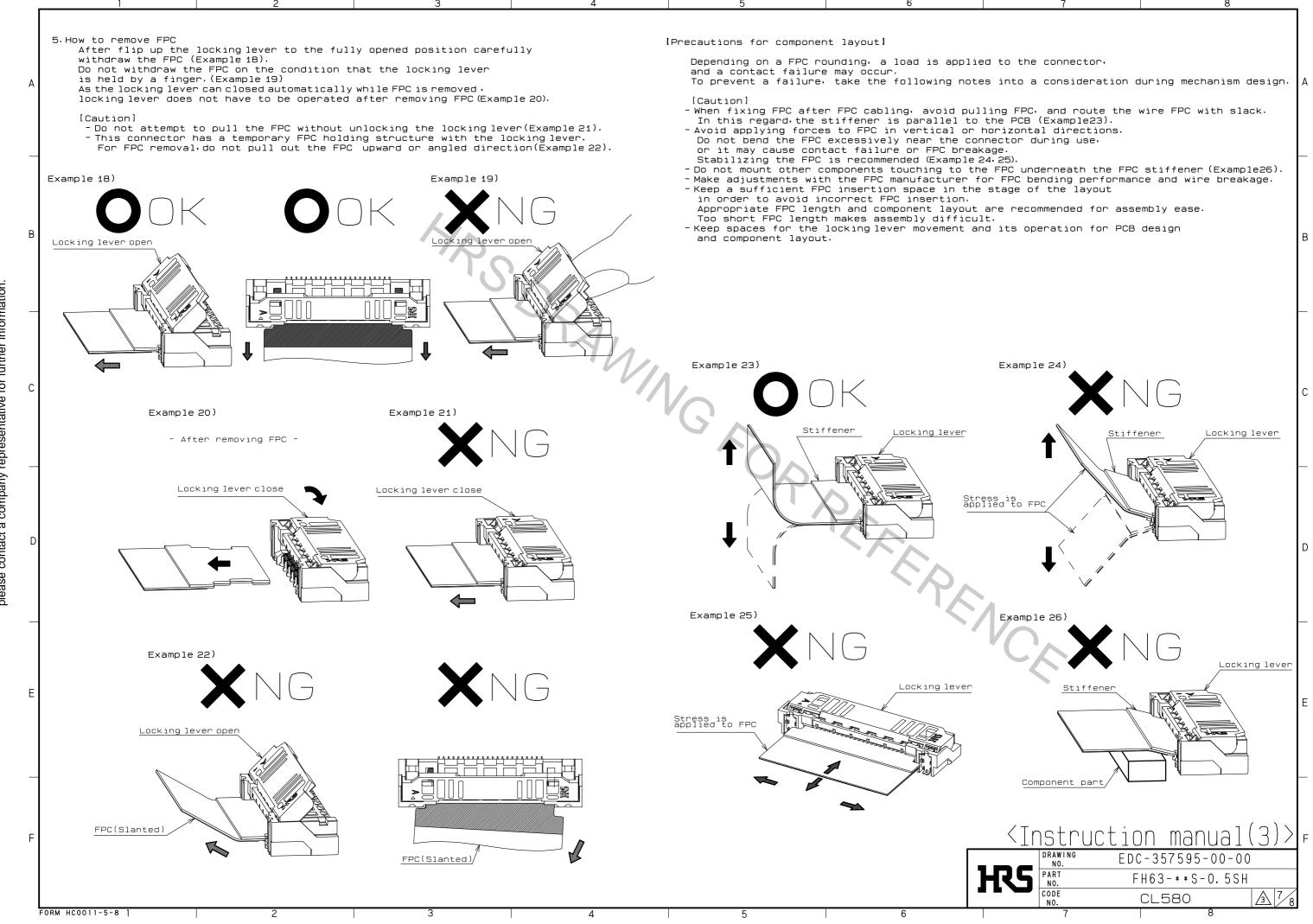
<Dimension table>_F

	DRAWING NO.	EDC-357595-00-00		
H 7 5	PART NO.	FH63-**S-0.5SH		
	CODE NO.	CL580	3	4/8
	7	. 8		

FORM HC0011-5-8 1 2 3 4 5







In case that the application demands a high level of reliability, such as automotive, please contact a company representative for further information.

| 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 pattern.
- Shorter pattern width than the recommended PCB dimension,
- could cause solder wicking and/or flux penetration.
- Larger pattern than the recommended stencil dimension, could cause solder wicking and/or flux penetration.
- Clearance underneath the contact lead and the housing is very small.
- In case solder resist and/or silk screening are applied on PCB underneath the connector. 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.
- Prevent warpage of PCB, where possible, since it can cause soldering failure even with 0.1 mm max coplanarity.
- 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 1.0 N or greater external force when unreel or pick and place the connector etc. or it may get broken.

| Instructions for PCB handling after mounting the connector

Follow the instructions shown below when mounting on the PCB.

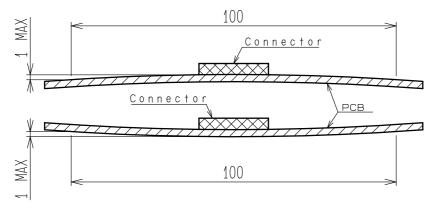
- ·Splitting a large PCB into several pieces
 - ·Screwing the PCB

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 1.0 mm or less.

The warp of PCB suffers stress on connector and the connector may become defective (Example 27).

Example 27)



[Instructions on manual soldering]

Follow the instructions shown below when soldering the connector manually during repair work, etc.

- 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).
- If excessive solder (or flux) is supplied on the terminals, solder or flux may adhere
- to the contacts, resulting in poor contact.

Supplying excessive solder to the metal fittings may hinder locking lever rotation

resulting in breakage of the connector.

<Instruction manual(4)</pre>

В

С

D

E

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