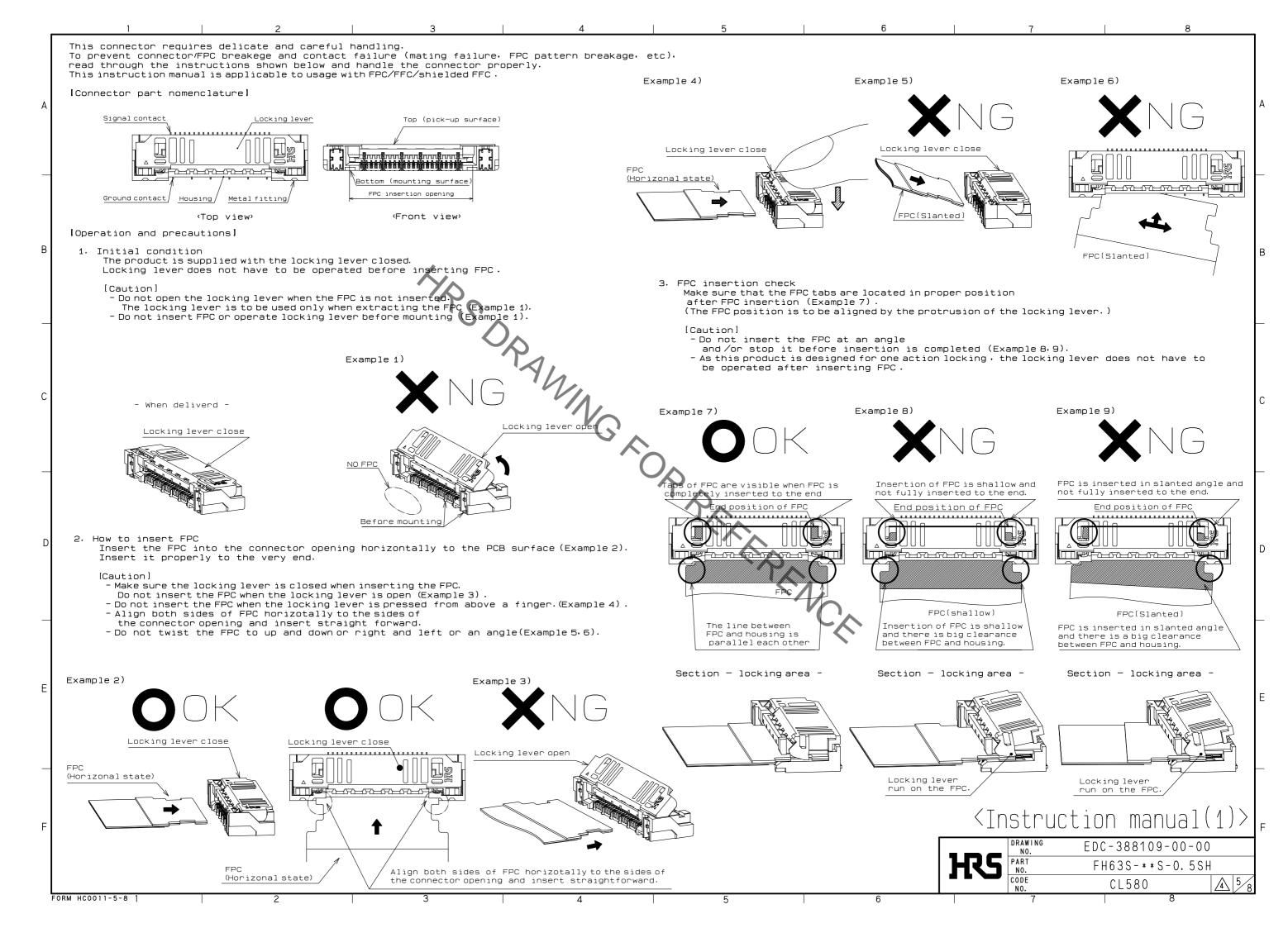
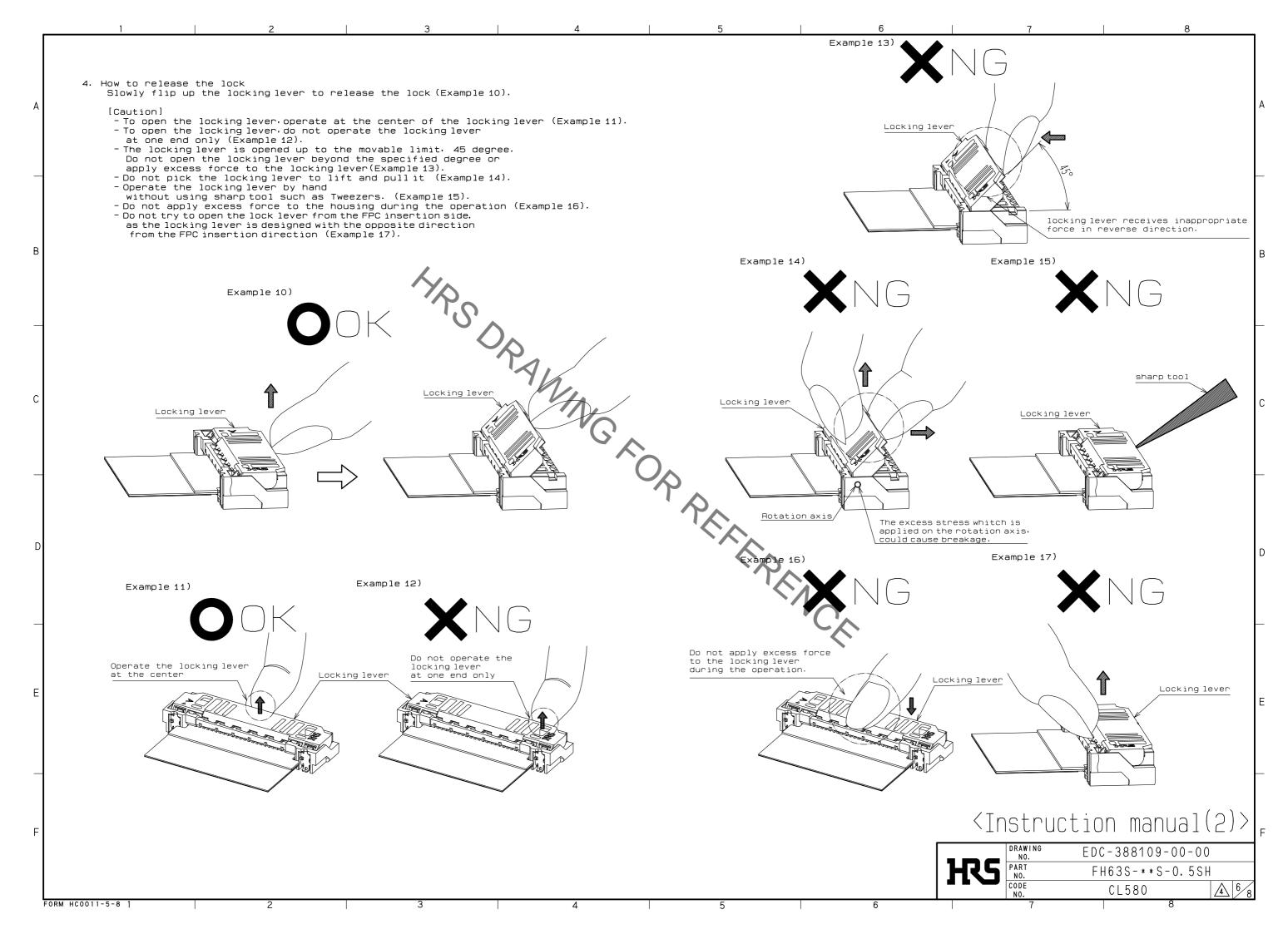


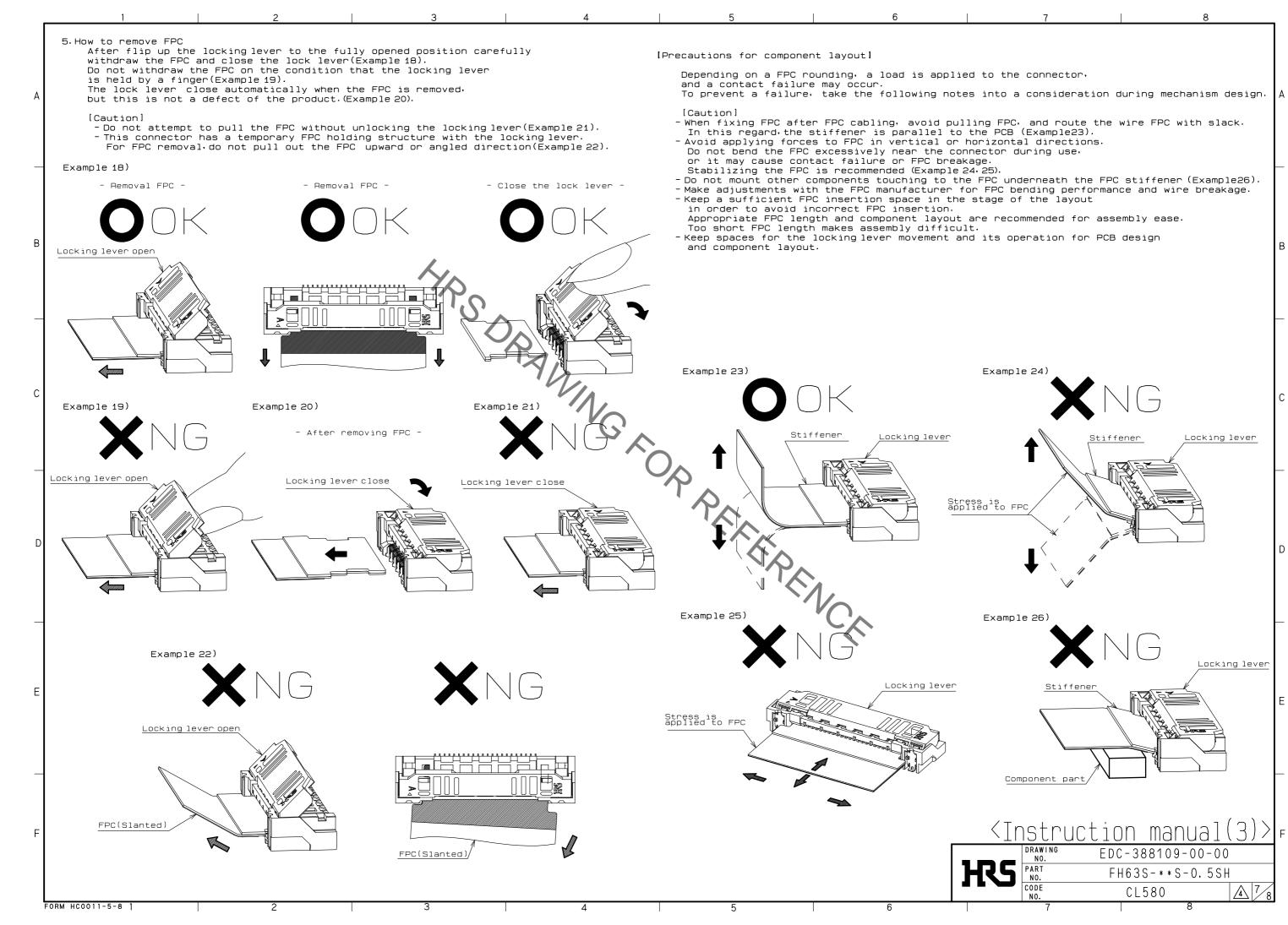
i ait ivo.	Code Number	Number of Dimension of connector, PCB mounting pattern, metal mask, FPC, FFC, and shielded FFC Dimension of drawing for packing																		
Part No.	Oode Number	contacts	A	В	С	D	E	F	G	Н	J	К	L	М	Р	Q	R	S	U	V
FH63S-10S-0.5SH	CL580-4414-0-00	10	12.7	4.5	5.55	4	2	7.15	9.9	3	7.1	5.5	9.1	4.9	24	-	11.5	14.1	29.4	25.4
FH63S-20S-0.5SH	CL580-4419-0-00	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	19.1	37.4	33.4
FH63S-30S-0.5SH	CL580-4415-0-00	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	24.1	49.4	45.4
FH63S-40S-0.5SH	CL580-4416-0-00	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	29.1	49.4	45.4
FH63S-50S-0.5SH		50	32.7	24.5	15.55	1 24	2	27.15	29.9	13	27.1	25.5	29.1	24.9	56	52.4	26.2	34.1	61.4	57.4
FH63S-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	39.1	61.4	57.4
lease c	ducts wi contact b	HIROS	SE	for	de	ta	ile	di	nfc		at i		abo	out	blo	odu	ct	y. Var	ria	tic

<Dimension table>

			7			8				
	•		CODE NO.		CL580		4	4/8		
$\lfloor \rfloor$]	HR5	PART NO.	FΗ	635-**	S-0.5SH				
١.	_ ا		DRAWING EDC-388109-00-00							







[Recommended reflow temperature profile] | Instructions for mounting on the PCB| The temperatures mentioned above refer to the PCB surface Follow the instructions shown below when mounting on the PCB temperature near the connector leads. In individual applications the actual temperature may vary, depending on solder paste type, volume/thickness and board size/thickness. [Caution] - Refer to recommended layouts on the page 1 for PCB and stencil pattern. - Shorter pattern width than the recommended PCB dimension, Consult your solder paste and equipment manufacturer for specific recommendations. could cause solder wicking and/or flux penetration. - Larger pattern than the recommended stencil dimension. could cause solder wicking and/or flux penetration. -Reflow method:IR reflow - 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

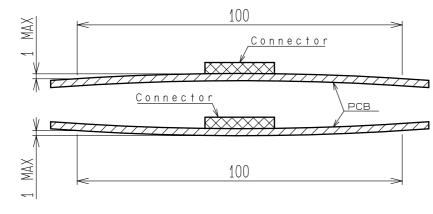
·Screwing the PCB

During the handling described above, do not exert an excessive force on 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.

[Caution]

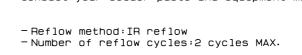
- Do not perform manual soldering with the FPC inserted into the connector.

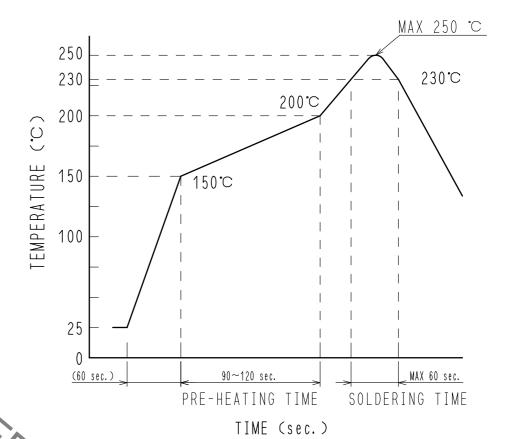
- Do not heat the connector excessively. Be very careful not to let the soldering iron contact

any parts other than connector leads. Otherwise, the connector may be deformed or melt.

- Do not supply excessive solder (or flux). 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)>

В

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DRAWING EDC-388109-00-00 FH63S-**S-0.5SH 8/8 CL580

FORM HC0011-5-8 1

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