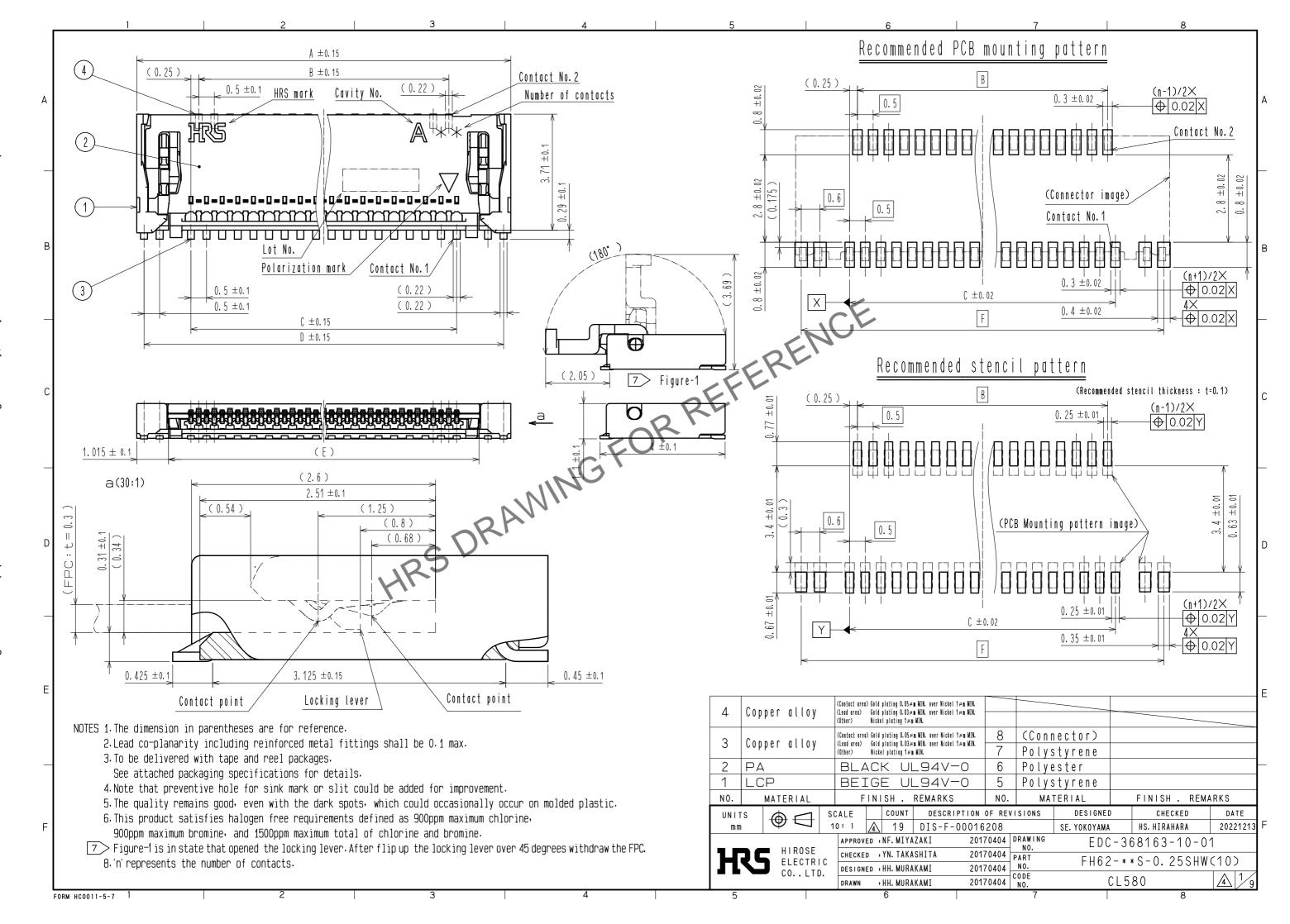
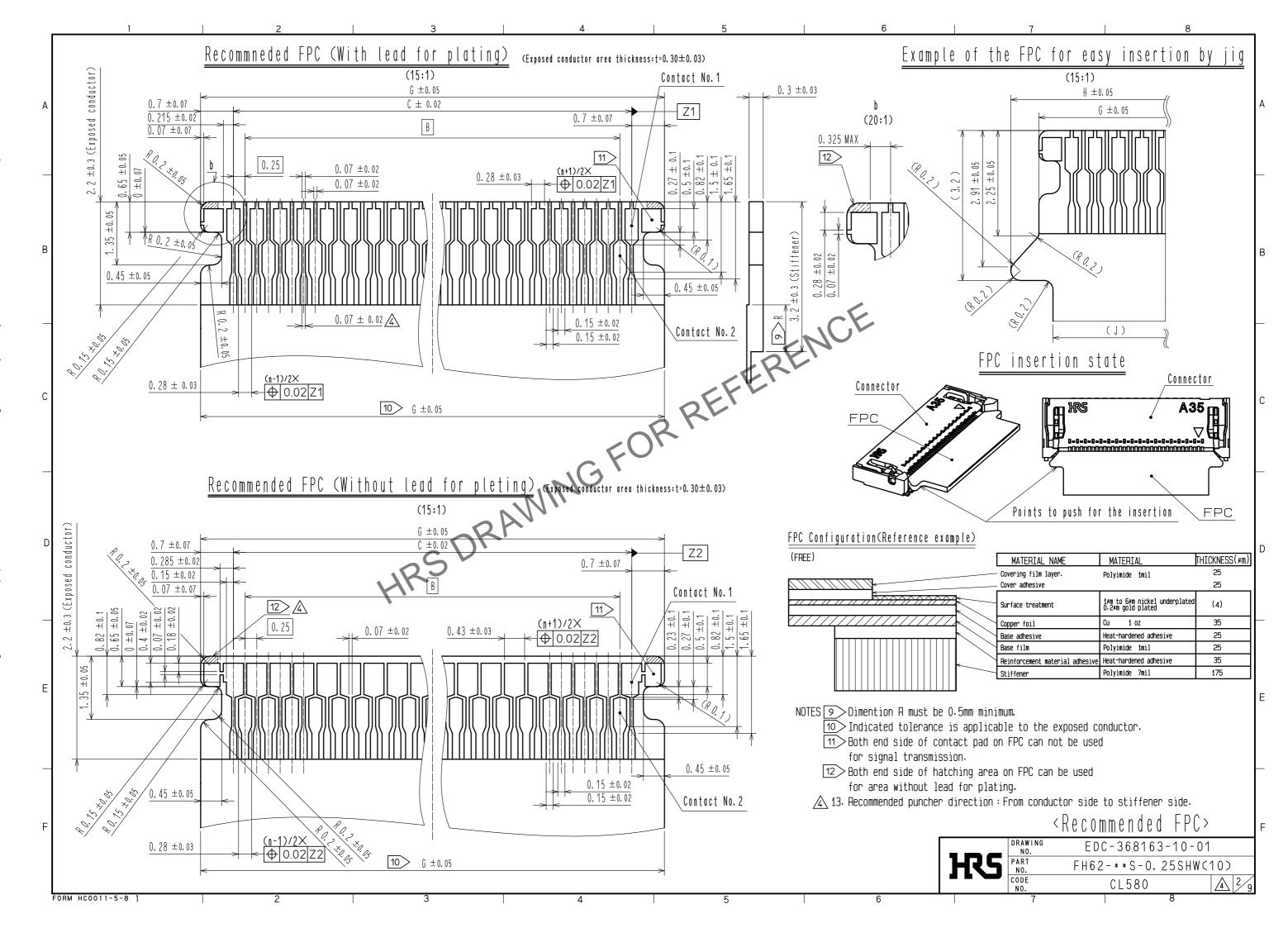


THE DATASHEET OF FH62-35S-0.25SHW(10)





Part Number	Code Number	Number of Contacts	Dimension of connector, PCB mounting pattern, metal mask, FPC								Dimension of drawing for packing							
			Α	В	С	D	E	F	G	Н	J	K	L	М	N	Р	Q	R
FH62-11S-0.25SHW(10)		11	5.96	2	2.5	5.5	3.93	5.6	3.9	5.1	3.3	16	_	7.5	7.36	2.5	17.4	21.4
FH62-13S-0.25SHW(10)	CL0580-4308-0-10	13	6.46	2.5	3	6	4.43	6.1	4.4	5.6	3.8	16	_	7.5	7.86	3	17.4	21.4
FH62-15S-0.25SHW(10)		15	6.96	3	3.5	6.5	4.93	6.6	4.9	6.1	4.3	24	_	11.5	8.36	3.5	25.4	29.4
FH62-17S-0.25SHW(10)	CL0580-4303-0-10	17	7.46	3.5	4	7	5.43	7.1	5.4	6.6	4.8	24	_	11.5	8.86	4	25.4	29.4
FH62-19S-0.25SHW(10)		19	7.96	4	4.5	7.5	5.93	7.6	5.9	7.1	5.3	24	_	11.5	9.36	4.5	25.4	29.4
FH62-21S-0.25SHW(10)	CL0580-4312-0-10	21	8.46	4.5	5	8	6.43	8.1	6.4	7.6	5.8	24	_	11.5	9.86	5	25.4	29.4
FH62-23S-0.25SHW(10)		23	8.96	5	5.5	8.5	6.93	8.6	6.9	8.1	6.3	24	_	11.5	10.36	5.5	25.4	29.4
FH62-25S-0.25SHW(10)		25	9.46	5.5	6	9	7.43	9.1	7.4	8.6	6.8	24	_	11.5	10.86	6	25.4	29.4
FH62-27S-0.25SHW(10)		27	9.96	6	6.5	9.5	7.93	9.6	7.9	9.1	7.3	24	_	11.5	11.36	6.5	25.4	29.4
FH62-29S-0.25SHW(10)		29	10.46	6.5	7	10	8.43	10.1	8.4	9.6	7.8	24	_	11.5	11.86	7	25.4	29.4
FH62-31S-0.25SHW(10)	CL0580-4310-0-10	31	10.96	7	7.5	10.5	8.93	10.6	8.9	10.1	8.3	24	_	11.5	12.36	7.5	25.4	29.4
FH62-33S-0.25SHW(10)		33	11.46	7.5	8	11	9.43	11.1	9.4	10.6	8.8	24	_	11.5	12.86	8	25.4	29.4
FH62-35S-0.25SHW(10)	CL0580-4300-5-10	35	11.96	8	8.5	11.5	9.93	11.6	9.9	11.1	9.3	24	_	11.5	13.36	8.5	25.4	29.4
FH62-37S-0.25SHW(10)		37	12.46	8.5	9	12	10.43	12.1	10.4	11.6	9.8	24	_	11.5	13.86	9	25.4	29.4
FH62-39S-0.25SHW(10)	CL0580-4302-0-10	39	12.96	9	9.5	12.5	10.93	12.6	10.9	12.1	10.3	24	_	11.5	14.36	9.5	25.4	29.4
FH62-41S-0.25SHW(10)	CL0580-4305-0-10	41	13.46	9.5	10	13	11.43	13.1	11.4	12.6	10.8	24	_	11.5	14.86	10	25.4	29.4
FH62-43S-0.25SHW(10)		43	13.96	10	10.5	13.5	11.93	13.6	11.9	13.1	11.3	24	_	11.5	15.36	10.5	25.4	29.4
FH62-45S-0.25SHW(10)		45	14.46	10.5	Ę	14	12.43	14.1	12.4	13.6	11.8	24	_	11.5	15.86	11	25.4	29.4
FH62-47S-0.25SHW(10)		47	14.96	11	11.5	14.5	12.93	14.6	12.9	14.1	12.3	32	28.4	14.2	16.36	11.5	33.4	37.4
FH62-49S-0.25SHW(10)		49	15.46	11.5	12	15	13.43	15.1	13.4	14.6	12.8	32	28.4	14.2	16.86	12	33.4	37.4
FH62-51S-0.25SHW(10)		51	15.96	12	12.5	15.5	13.93	15.6	13.9	15.1	13.3	32	28.4	14.2	17.36	12.5	33.4	37.4
FH62-53S-0.25SHW(10)		53	16.46	12.5	13	16	14.43	16.1	14.4	15.6	13.8	32	28.4	14.2	17.86	13	33.4	37.4
FH62-55S-0.25SHW(10)	CL0580-4309-0-10	55	16.96	13	13.5	16.5	14.93	16.6	14.9	16.1	14.3	32	28.4	14.2	18.36	13.5	33.4	37.4
FH62-57S-0.25SHW(10)		57	17.46	13.5	14	17	15.43	17.1	15.4	16.6	14.8	32	28.4	14.2	18.86	14	33.4	37.4
FH62-59S-0.25SHW(10)	05	59	17.96	14	14.5	17.5	15.93	17.6	15.9	17.1	15.3	32	28.4	14.2	19.36	14.5	33.4	37.4
FH62-61S-0.25SHW(10)	CL0580-4306-0-10	61	18.46	14.5	15	18	16.43	18.1	16.4	17.6	15.8	32	28.4	14.2	19.86	15	33.4	37.4

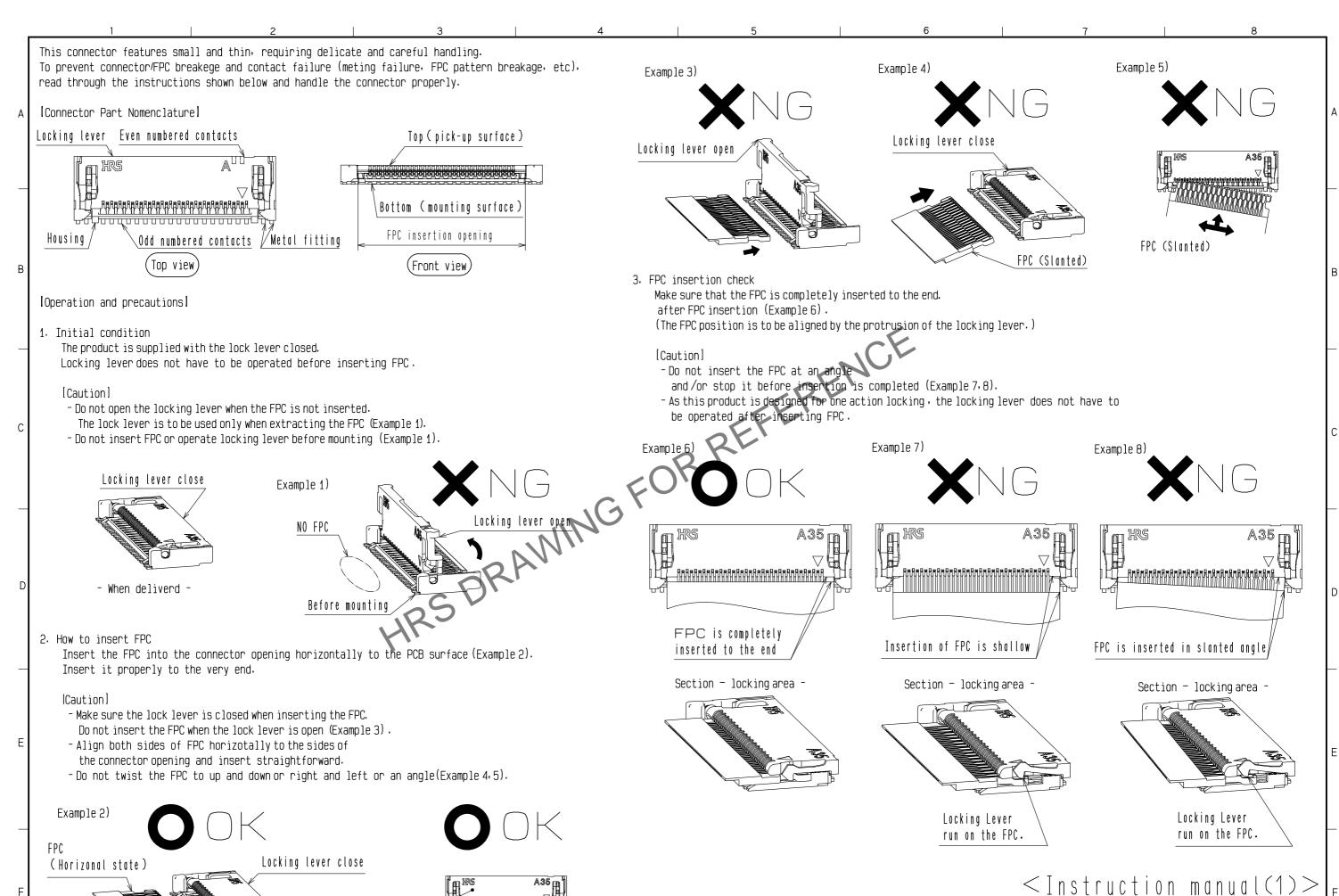
%The products without code number are currently under planning.
Please contact HIROSE for detailed information about product variation.

<Dimension table>

}		DRAWING NO.	EDC-368163-10-01		
	HZ5	PART NO.	FH62-**S-0.25SHWC	10)	
		CODE NO.	CL580	4	4
		7	0		

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FORM HC0011-5-8



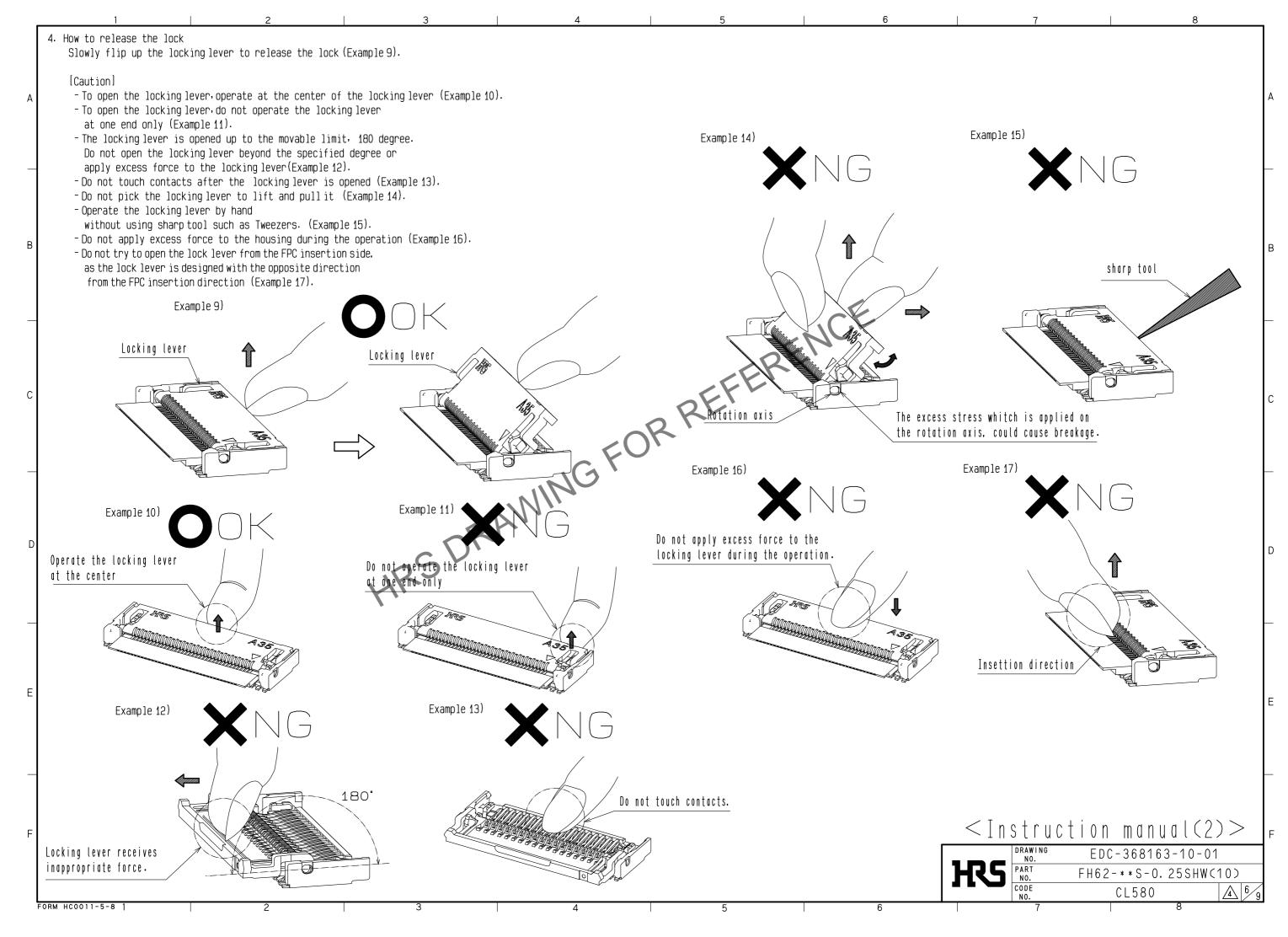
Locking lever close

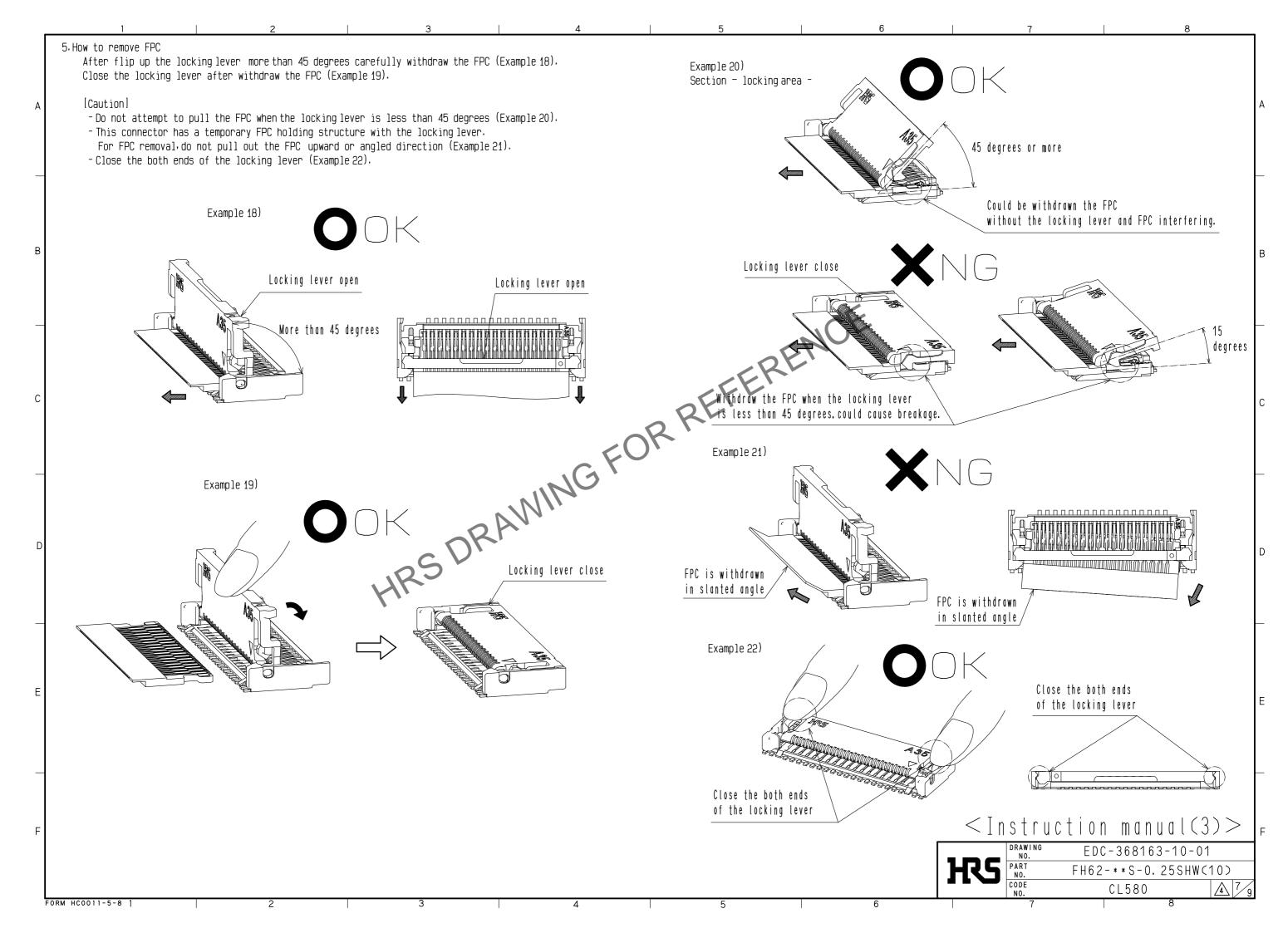
(Horizonal state)

DRAWING EDC-368163-1

Align both sides of FPC horizotally to the sides of the connector opening and insert straightforward.

HRS | DRAWING | EDC-368163-10-01 | PART | NO. | FH62-**S-0.25SHW(10) | CODE | NO. | CL580 | A





FORM HC0011-5-8

Instructions for mounting on the PCBI Precautions for component layout Follow the instructions shown below when mounting on the PCB. Depending on a FPC rounding, a load is applied to the connector. [Caution] and a contact failure may occur. - Refer to recommended layouts on the page 1 for PCB and stencil pattern. To prevent a failure, take the following notes into a consideration during mechanism design. - 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. [Caution] - Clearance underneath the contact lead and the housing is very small. - When fixing FPC after FPC cabling, avoid pulling FPC, and route the wire FPC with slack. In case solder resist and/or silk screening are applied on PCB underneath the connector. In this regard, the stiffener is parallel to the PCB (Example23). verify the thickness, or it could push up the connector bottom - Avoid applying forces to FPC in vertical or horizontal directions. and may cause soldering defect and/or insufficient fillet formation. Do not bend the FPC excessively near the connector during use, - Prevent warpage of PCB, where possible, since it can cause soldering failure :even with 0.1 mm max coplanarity. or it may cause contact failure or FPC breakage. - When mounting on the flexible board, please make sure to put a stiffener on the backside of the flexible board. Stabilizing the FPC is recommended (Example 24, 25). We recommend a glass epoxy material with the thickness of 0.3 mm min. - Do not mount other components touching to the FPC underneath the FPC stiffener (Example 26). - Do not add 1.0 N or greater external force when unreel or pick and place the connector etc. - Make adjustments with the FPC manufacturer for FPC bending performance and wire breakage. or it may get broken. - Keep a sufficient FPC insertion space in the stage of the layout △ - Apply reflow temperature profile within the specified conditions. in order to avoid incorrect FPC insertion. For specific applications, the recommended temperature may vary depending on Appropriate FPC length and component layout are recommended for assembly ease. type/volume/thickness of solder paste and size/thickness of PCB. Too short FPC length makes assembly difficult. Please consult with your solder paste and equipment manufacturer for specific recommendations. - Keep spaces for the locking lever movement and its operation for PCB design The temperatures mentioned below refer to the PCB surface temperature near the connector contact leads. and component layout. - Reflow method: IR reflow ← Please consult with our sales representative -Number of reflow cycles:2 cycles MAX. if you are using FPC with different configuration from our recommendation. C FOR 220 = --MAX 250 °C Example 24) Example 23) 220 °C 180 °C Temperature (\mathfrak{r}) 150 150 °C 100 Stiffener Stress is applied to FPC 25 25 °C 20 to 40 sec. Time (sec.) Start Example 25) Example 26) 120±5 sec. Peak temperature Preheating time 60 to 90 sec. Soldering time Stiffener <Instruction manual(4)>EDC-368163-10-01 Component part FH62-**S-0.25SHW(10) Stress is applied to FPC CL580

| Instructions for PCB handling after mounting the connector | Follow the instructions shown below when mounting on the PCB.

[Caution]

- ·Splitting a large PCB into several pieces

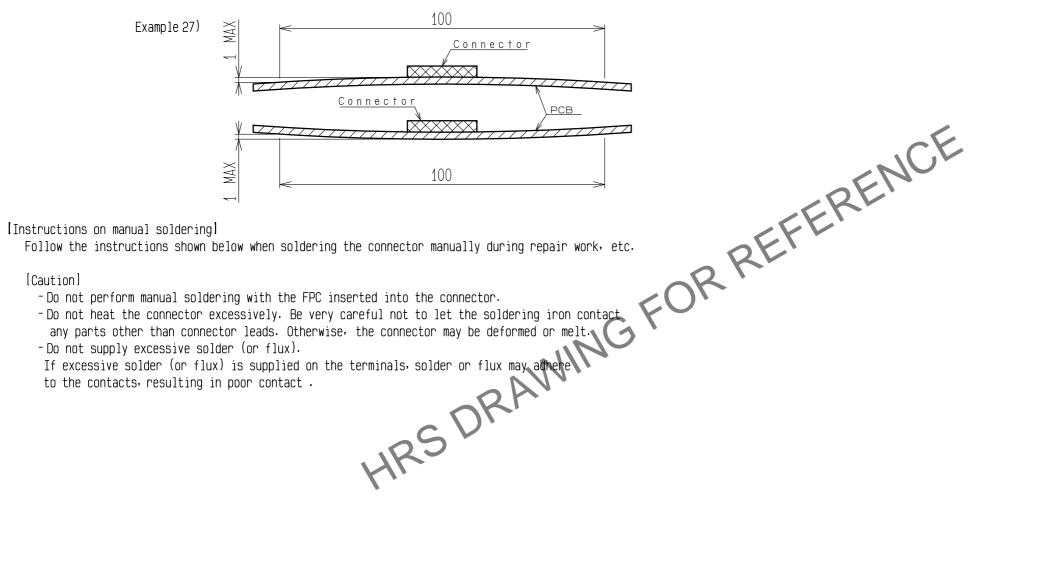
·Screwing the PCB

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).



<Instruction manual(5)>EDC-368163-10-01

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HS FH62-**S-0.25SHW(10) CL580

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