

	Part Number	Number of	Dimension of connector, PCB mounting pattern, metal mask, FPC								Dimension of drawing for packing						
	i ai c i valilisci	Code Number	Contacts	Α	В	С	D	E E	F	G	Н	J	К	Li	М	N	Р
<u>A</u>	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	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	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	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	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	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	25.4	29.4
	FH62-23S-0.25SHW(10)	<b>' X</b> \	23	8.96	5	5.5	8.5	6.93	8.6	6.9	8.1	6.3	24	_	11.5	25.4	29.4
	FH62-25S-0.25SHW(10)	770	25	9.46	5.5	6	9	7.43	9.1	7.4	8.6	6.8	24	_	11.5	25.4	29.4
	FH62-27S-0.25SHW(10)	,0,*	27	9.96	6	6.5	9.5	7.93	9.6	7.9	9.1	7.3	24	_	11.5	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	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	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	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	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	25.4	29.4
<u>A</u>	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	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	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	25.4	29.4
	FH62-45S-0.25SHW(10)		45	14.46	10.5	<b>1</b> 1	14	12.43	14.1	12.4	13.6	11.8	24	_	11.5	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	33.4	37.4
A	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	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	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	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	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	33.4	37.4
	FH62-59S-0.25SHW(10)		59	17.96	14	14.5	17.5	15.93	17.6	15.9	17.1	15.3	32	28.4	14.2	33.4	37.4
<u>A</u>	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	33.4	37.4

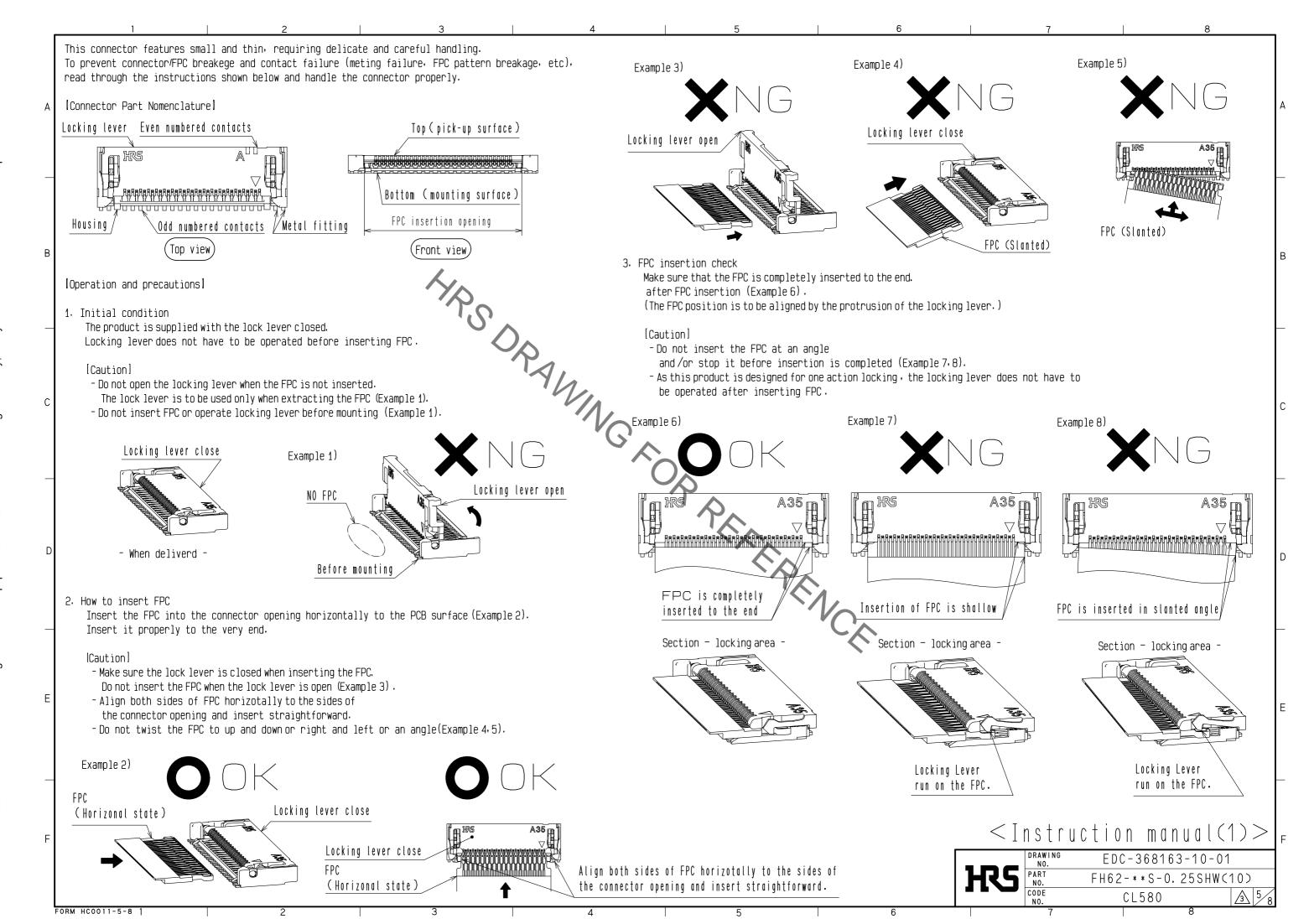
※The products without code number are currently under planning.

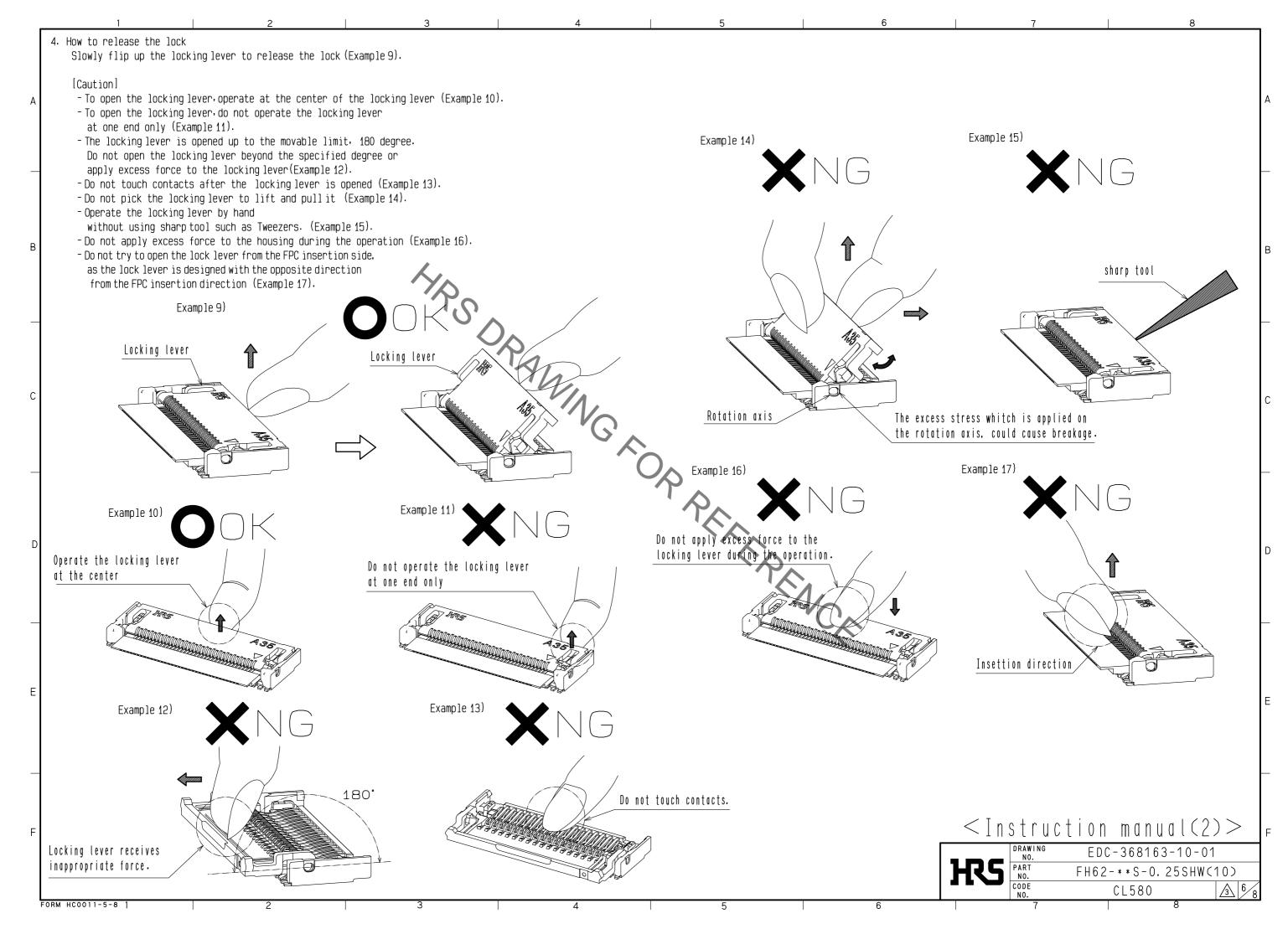
Please contact HIROSE for detailed information about product variation.

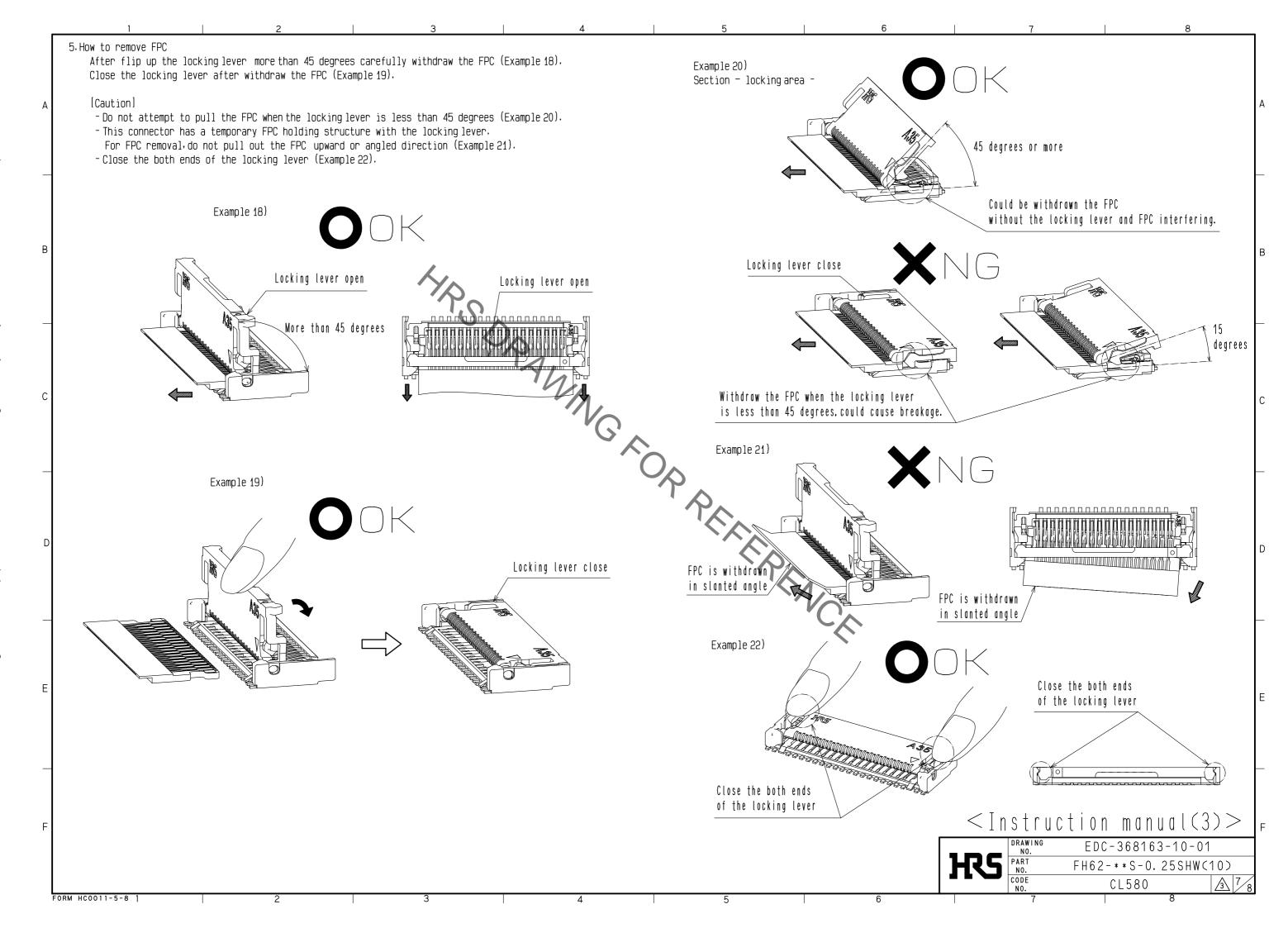
<Dimension table>

	DRAWING NO.	EDC-368163-10	D-01
H	PART NO.	FH62-**S-0.25S	HW(10)
	CODE NO.	CL580	3 4
	7	0	

RM HC0011-5-8 1 2 3 / 4 5







Example 25)

FORM HC0011-5-8

Stress is applied to FPC

[Precautions for component layout] Depending on a FPC rounding, a load is applied to the connector. and a contact failure may occur. To prevent a failure, take the following notes into a consideration during mechanism design. [Caution] - 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 (Example23). - Avoid applying forces to FPC in vertical or horizontal directions. Do not bend the FPC excessively near the connector during use, or it may cause contact failure or FPC breakage. Stabilizing the FPC is recommended (Example 24, 25). - Do not mount other components touching to the FPC underneath the FPC stiffener (Example 26). - Make adjustments with the FPC manufacturer for FPC bending performance and wire breakage. - Keep a sufficient FPC insertion space in the stage of the layout in order to avoid incorrect FPC insertion. Appropriate FPC length and component layout are recommended for assembly Too short FPC length makes assembly difficult. - Keep spaces for the locking lever movement and its operation for PCB design and component layout. Example 23) Example 24) Stiffener Stress is applied to FPC

|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  $1.0~\mathrm{N}$  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.

## [Caution]

- ·Splitting a large PCB into several pieces

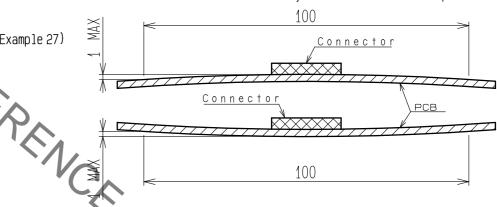
·Screwing the PCB

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).



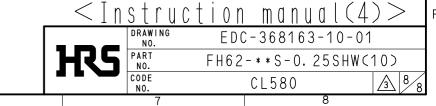
|Instructions on manual soldering

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.



Component part

Example 26)

Stiffener

## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for FFC & FPC Connectors category:

Click to view products by Hirose manufacturer:

Other Similar products are found below:

K-FC20 FH29B-80S-0.2SHW(99) FPH-2022G AYF332735 52610-1075 52610-1275 52610-1934 501864-3091-TR225 086222026001800 52610-0675 62684-36210E9ALF 52746-1671-TR250 10051922-2810EHLF 6-520415-9 SFV6R-1STE9HLF XF3M-2915-1B-R100 1658549-1 46214008010800 AYF534065TA AYF351525 086212040340800+ AYF530365TA 67000-014LF 67000-004LF 006207341915000+ DS1020-19RT1D 67000-003LF 67000-011LF 67000-016LF HFW14R-2STE9LF SFV32R-2STBE9HLF SFW12R-5STE9LF SFW18R-1STAE9LF SFW4R-5STE9LF 52807-0430 046283021002868+ THD1015-8CL-SN 67000-006LF 502250-8027 104267-9617 66987-011LF AYF362535 F0501-T-50-20T-R HFW8S-2STAE1HLF 67000-008LF 67000-012LF ECC576069EU F1002-B-20-20T-R HFW15S-2STAE1HLF 0781271110