

TO
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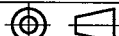



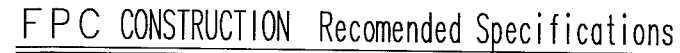
A horizontal number line with arrows at both ends. It has four major tick marks labeled 1, 2, 3, and 4 from left to right. There are also minor tick marks between the major ones, dividing each unit into four equal parts.

UNITS	HRS		CODE NO.	CL580-0218-4-05	1/5	(FH)
mm	HIROSE ELECTRIC CO., LTD					
5	6	7	8	FORM NO. 229		

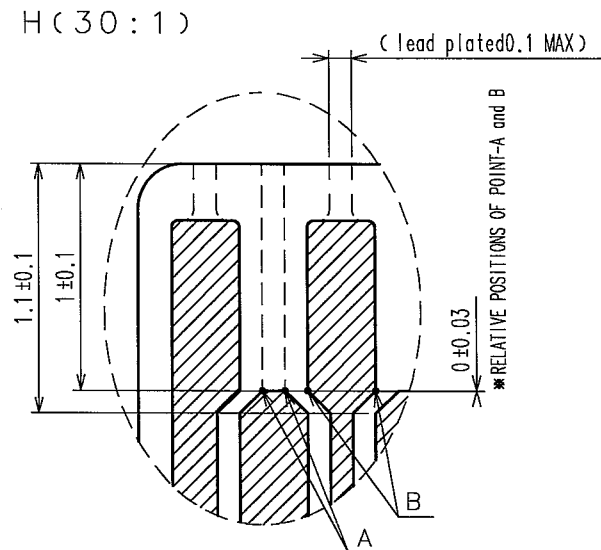
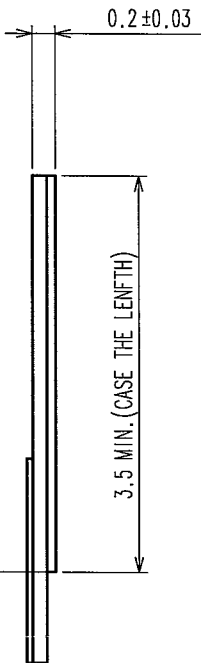


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NO.		MATERIAL		FINISH, REMARKS		NO.		MATERIAL		FINISH, REMARKS			
CODE NO. (OLD) CL				DRAWN N. ISHIDA 05. 05. 16		DESIGNED S. OKAMURA 05. 05. 16		CHECKED Y. TAKASHITA 05. 05. 16		APPROVED M. ISHIDA 05. 05. 16		RELEASED . .	
		DRAWING NO. EDC3-155520-02				PART NO. FH26-15S-0.3SHW(05)							
SCALE - : 1		 HIROSE ELECTRIC CO., LTD				CODE NO. CL580-0218-4-05						2/	
UNITS mm													

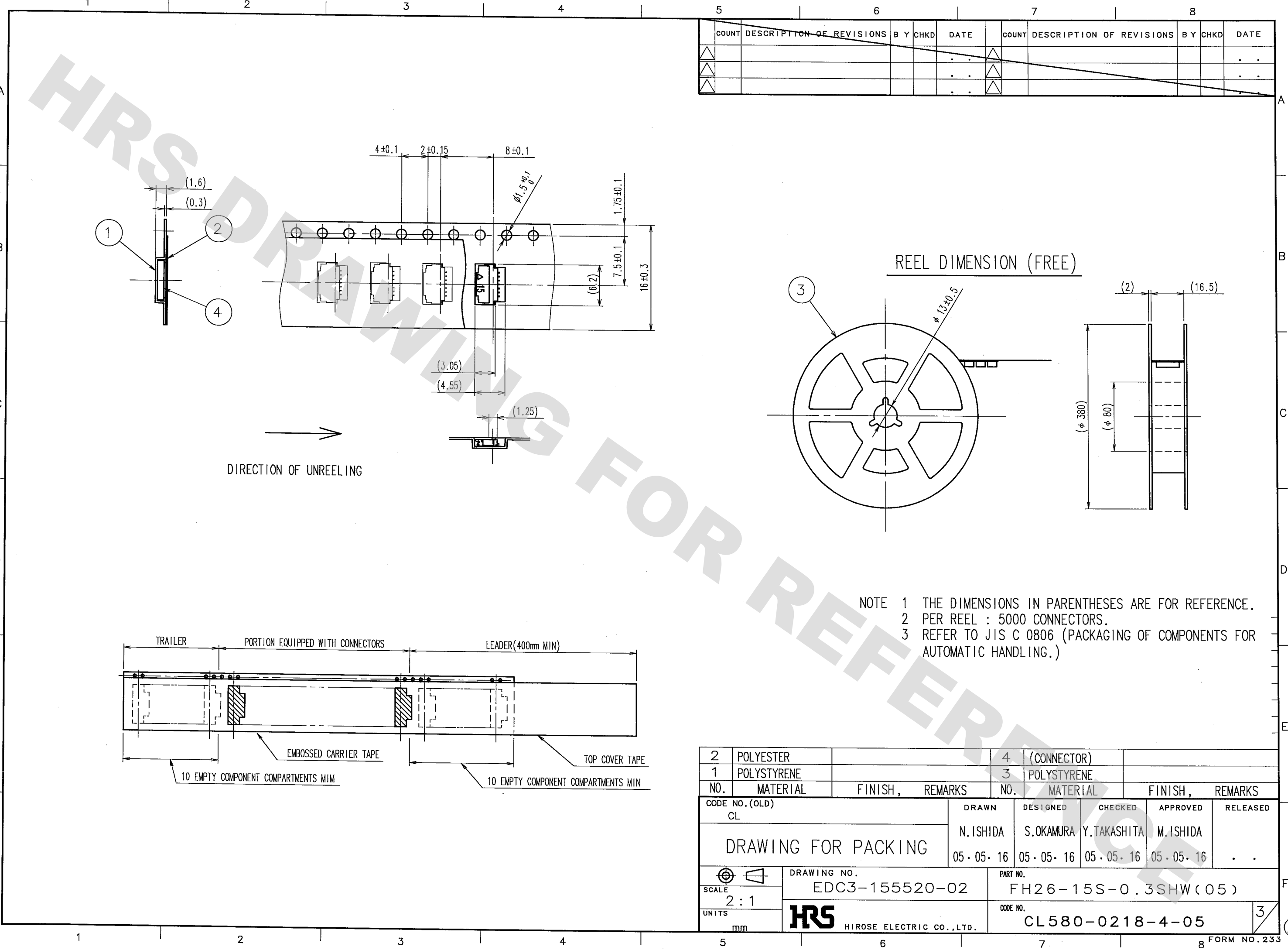


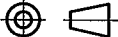

DIMENSION M SHALL BE 0.5mm MIN. IN CASE THE LENGTH OF STIFFENER IS 3.5mm MAX DUE TO FPC DESIGN.



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2	POLYESTER		4	(CONNECTOR)			
1	POLYSTYRENE		3	POLYSTYRENE			
NO.	MATERIAL	FINISH,	REMARKS	NO.	MATERIAL	FINISH,	REMARKS
CODE NO.(OLD) CL			DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
DRAWING FOR PACKING			N.ISHIDA	S.OKAMURA	Y.TAKASHITA	M.ISHIDA	
			05.05.16	05.05.16	05.05.16	05.05.16	. .
		DRAWING NO. EDC3-155520-02		PART NO. FH26-15S-0.3SHW(05)			
SCALE 2:1		 HIROSE ELECTRIC CO.,LTD.		CODE NO. CL580-0218-4-05			3
UNITS mm							

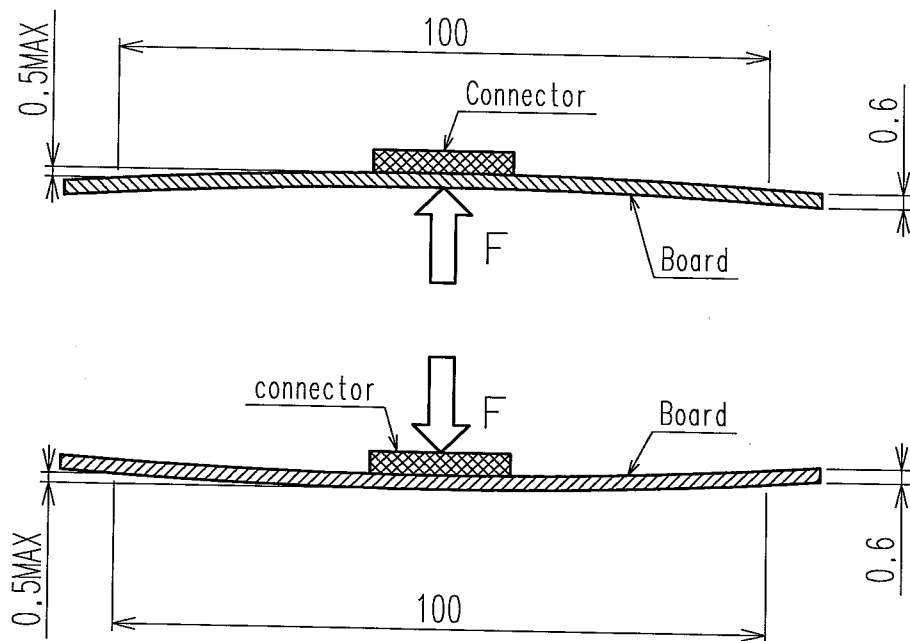
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This connector is small and thin and requires delicate and careful handling.
Read through the instructions shown below and handle the connector properly.
Each values indicating here are for reference and may differ from standard value.

【 INSTRUCTIONS FOR MOUNTING ON THE BOARD 】

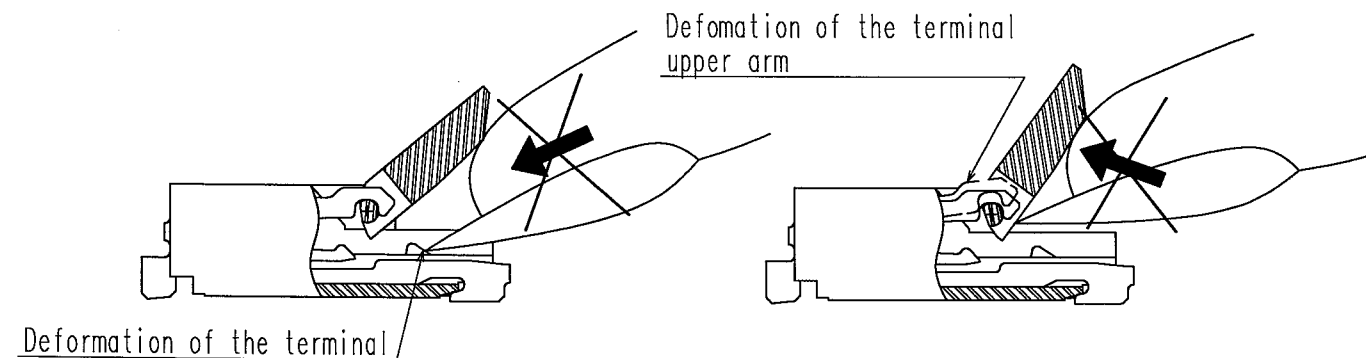
- ◆Warp of Board
Minimize warp of the board as much as possible.
Lead co-planarity including reinforced metal fittings is 0.1 mm or less.
Too much warp of the board may result in a soldering failure.
- ◆Load to Connector
Do not apply a force of 0.5 N or more to the connector before mounting it on the board.
Otherwise, the connector may be broken.
Do not insert the FPC or operate the connector before mounting it.
- ◆Lord to Board
 - Splitting a large board into several pieces
 - Screwing the boardAvoid the handling described above so that no force is exerted on the board during the assembly process.
Otherwise, the connector may become defective.
- ◆Amount of Warp
The warp of a 100-mm wide board should be 0.5 mm or less.
The warp of board suffers stress on connector and the connector may become defective.



5					6					7					8				
COUNT	DESCRIPTION OF REVISIONS				BY	CHKD	DATE			COUNT	DESCRIPTION OF REVISIONS				BY	CHKD	DATE		
△										△									
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△										△									

【 INSTRUCTIONS ON INSERTING FPC AND CONNECTION 】

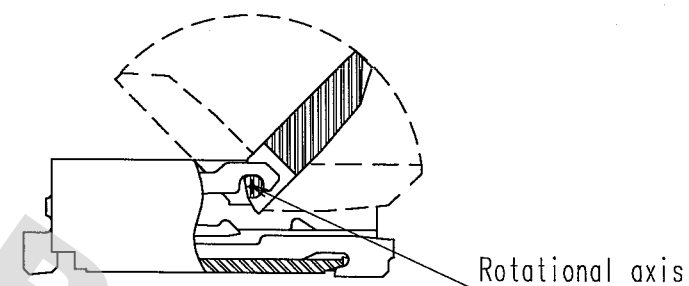
- ◆ Use of the Lock Lever
 1. Be very careful not to apply excessive force when releasing the lock lever in the initial position (with no FPC inserted).
If you use your nail or finger as shown below, the terminals may be deformed.



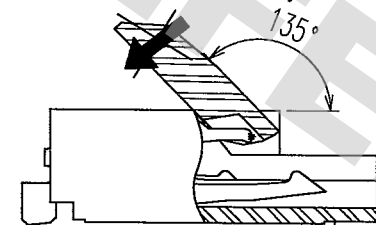
Example 1

Example 2

2. The lock lever rotates around the rotational axis as shown below.
Rotate the lock lever.



3. The lock lever will not open more than 135° .
Do not apply any force backward beyond this point.
Otherwise, the lock lever may come off or break.

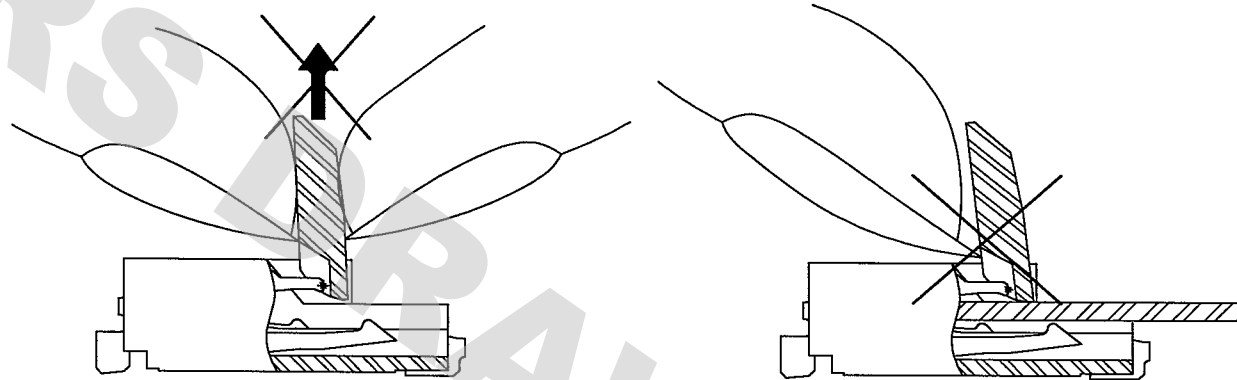


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INSTRUCTION MANUAL						
DRAWING NO. EDC3-155520-02		PART NO. FH26-15S-0.3SHW(05)				
SCALE - : 1		CODE NO. CL580-0218-4-05				
UNITS mm		4				

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4. Move the lock lever at approximately the center.
5. Do not pinch or pick the lock lever to lift it as shown below. Otherwise, it may break.
(Do not carry out any operation other than rotating the lever as shown in 2 above.)



◆Direction of Contacts

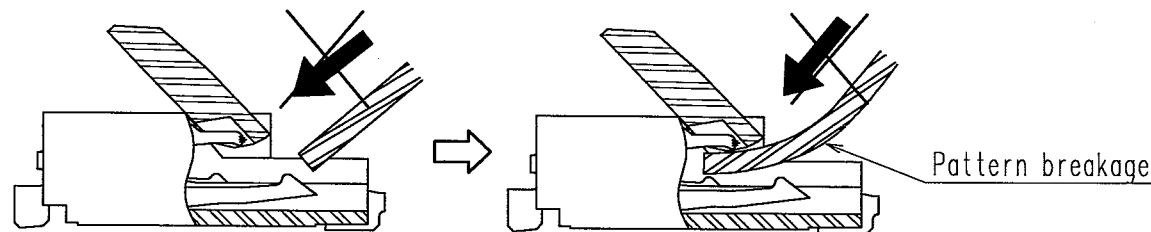
This connector has contacts on the bottom. Thus, insert it with the exposed conductors face down.

◆Inserting the FPC

1. Insert the FPC horizontally along the surface and at a right angle to the connector.
Insert it properly to the very end.
If the FPC is inserted at a slant (incorrectly), the conductors may short-circuit due to pitch shift or the edge of the FPC may catch in the terminals, resulting in deformation of the terminals.
This connector has a ZIF structure, and its effective engagement length is 0.35 mm (when the recommended FPC nominal is used).
Use the lock lever carefully to prevent the FPC from dislocating after inserting it.
2. Do not insert the FPC diagonally from above.
If the FPC is inserted at a slant (incorrectly) as shown below in the FPC insertion process, the FPC may bend and patterns may break or the FPC may not insert completely, resulting in improper conduction.

*Keep a sufficient FPC insertion space in the stage of the layout in order to avoid incorrect FPC insertion.
Besides, it is not difficult to insert FPC correctly all the way to the end.
Design the proper layout of parts.

*Make adjustments with the FPC manufacturer for FPC bending performance and wire breakage.



◆Checking the Locking Condition

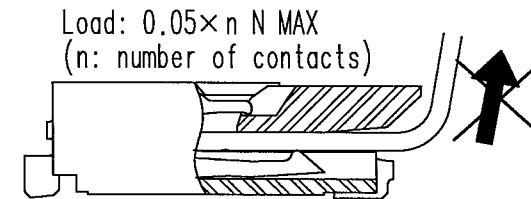
In the locked condition, make sure that the lock lever is horizontal on the board surface.
Do not apply excessive force to it near the 0° position of the lever.
Otherwise, the terminals may be deformed. (Allowable force: 1 N or less)

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【 INSTRUCTIONS ON FPC LAYOUT AFTER CONNECTION 】

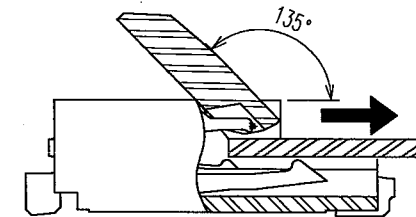
◆Load to FPC

Be very careful not to apply any force to the FPC after inserting it.
Otherwise, the connector may become unlocked or the FPC may break.
Fix the FPC, in particular, when loads are applied to it continuously.
Design the FPC layout with care not to bend it sharply near the insertion opening.



【 INSTRUCTIONS ON REMOVING FPC 】

◆Release the lock lever to remove the FPC.



【 OTHER INSTRUCTIONS 】

◆Instructions on Manual Soldering

- Follow the instructions shown below when soldering the connector manually during repair work, etc.
1. Do not perform reflow soldering or manual soldering with the FPC inserted into the connector.
 2. 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.
 3. Do not use excessive solder (or flux).
If excessive solder (or flux) is used on the terminals, solder or flux may adhere to the contacts or rotating parts of the lock lever, resulting in poor contact or a rotation failure of the lock lever.
Supplying excessive solder to the reinforcing bracket may hinder lock lever rotation, resulting in breakage of the connector.

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INSTRUCTION MANUAL					
SCALE - : 1 UNITS mm	DRAWING NO. EDC3-155520-02 HRS HIROSE ELECTRIC CO., LTD	PART NO. FH26-15S-0.3SHW(05)			
CODE NO. CL580-0218-4-05					5