

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO 50 °C (PACKAGING CONDITION)
	VOLTAGE	50 V AC / DC	OPERATING OR STORAGE HUMIDITY RANGE	RELATIVE HUMIDITY 30 % MAX (NOT COND.)
	CURRENT	0.5 A (note 1)	APPLICABLE CABLE	1-3.5 ± 0.03mm, GOLD PLATING
SPECIFICATIONS				
ITEM	TEST METHOD	REQUIREMENTS	OT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT	ACCORDING TO DRAWING	x	x
MARKING	CONFIRMED VISUALLY		x	x
<b>ELECTRIC CHARACTERISTICS</b>				
VOLTAGE PROOF	150 V AC FOR 1 min	NO FLASHOVER OR BREAKDOWN	x	x
INSULATION RESISTANCE	100 V DC	500 MΩ MIN	x	x
CONTACT RESISTANCE	AC 200 mV MAX (1 KHz) 1 mA	100 mΩ MAX INCLUDING FPC FPC BULK RESISTANCE	x	x
<b>MECHANICAL CHARACTERISTICS</b>				
VIBRATION	FREQUENCY 10 TO 50 Hz HALF AMPLITUDE 0.75 mm rms FOR 10 CYCLES IN 3 DIRECTIONS	NO ELECTRICAL DISCONTINUITY OF I/O	x	-
SHOCK	981 m/s <sup>2</sup> , DURATION OF PULSE 6ms AID 3 TIMES IN 3 DIRECTIONS	CONTACT RESISTANCE 100 mΩ MAX NO DAMAGE, CRACK AND LOOSENESS OF PARTS	x	-
MECHANICAL OPERATION	20 TIMES INSERTIONS AND EXTRACTIONS	CONTACT RESISTANCE 100 mΩ MAX NO DAMAGE, CRACK AND LOOSENESS OF PARTS	x	-
FPC RETENSION FORCE	MEASURED BY APPLICABLE FPC (THICKNESS OF FPC SHALL BE 1±0.30mm AT INITIAL CONDITION)	DIRECTION OF INSERTION 0.15N ± 0.01N VERTICAL DIRECTION OF INSERTION 0.15N ± 0.01N (note 2)	x	-
LOCK OPERATION FORCE	MEASURED BY APPLICABLE FPC (THICKNESS OF FPC SHALL BE 1±0.30mm AT INITIAL CONDITION)	CLOSING FORCE △ 2.5N ± 0.1N MAX (4 ~ 10 POS.) △ 3.1N ± 0.1N MAX (11 ~ 53 POS.) OPENING FORCE 0.35N ± 0.01N	x	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>				
CORROSION (SALT MIST)	EXPOSED AT 35 ± 5 °C SALT WATER SPRAY FOR 96h	CONTACT RESISTANCE 100 mΩ MAX NO DAMAGE, CRACK AND LOOSENESS OF PARTS NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR	x	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-ES: +15°/+25°/+65°/+15°/+35° C TIME 30 ± 2 / 2 ± 20 / 2 ± 3 min UNDER 5 CYCLES	CONTACT RESISTANCE 100 mΩ MAX INSULATION RESISTANCE 50 MΩ MIN NO DAMAGE, CRACK AND LOOSENESS OF PARTS	x	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C RELATIVE HUMIDITY 90 TO 95% 36 h		x	-
DAMP HEAT (CYCLIC)	EXPOSED AT -10 TO +65 °C RELATIVE HUMIDITY 90 TO 95% 10 CYCLES TOTAL 240h	CONTACT RESISTANCE 100 mΩ MAX INSULATION RESISTANCE 1 MΩ MIN (AT HIGH HUMIDITY) INSULATION RESISTANCE 50 MΩ MIN (AT DRY) NO DAMAGE, CRACK AND LOOSENESS OF PARTS	x	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△				
REMARK		APPROVED		
		CHECKED		
		DESIGNED		
		DR/WH		
Unless otherwise specified, refer to JIS C 5402.				
Note: Q1:Qualification Test, A1:Assurance Test, A:Applicable Test				
		DRAW NO. NO	ELC4-155198-02	
<b>HRS</b>		SPECIFICATION SHEET	PART NO	FH19SC-**S-0.5SH (05)
HIROSE ELECTRIC CO., LTD.		CODE NO	CL580	△ 1/2

## SPECIFICATIONS

TEM	TEST METHOD	REQUIREMENTS	Q*	AT
DRY HEAT	EXPOSED AT 85 c. 95 h.	* CONTACT RESISTANCE 100 mΩ MAX † NO DAMAGE, CRACK AND LOOSENESS OF PARTS	x	—
COLD	EXPOSED AT -50 c. 95 h.	† NO DAMAGE, CRACK AND LOOSENESS OF PARTS	x	—
SULPHUR DIOXIDE [JIS C 0092]	EXPOSED AT 40 c. RELATIVE HUMIDITY 90% 25 PPM FOR 95 h.	* CONTACT RESISTANCE 100 mΩ MAX † NO DAMAGE, CRACK AND LOOSENESS OF PARTS	x	—
HYDROGEN SULPHIDE [JIS C 0092]	EXPOSED AT 40 c. RELATIVE HUMIDITY 90% 10 - 15 PPM FOR 95 h.	* CONTACT RESISTANCE 100 mΩ MAX † NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR	x	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 235 c FOR IMMERSION DURATION 2 sec	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSED	x	
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING PEAK TMP 260 c MAX REFLOW TMP 250 c MIN FOR 30 sec 2) SOLDERING RONG TMP 350 c MAX FOR 5 sec	NO DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF THE TERMINALS	x	

## [note 1]

WHEN THE SAME VALUE OF CURRENT ARE APPLIED TO ALL CONTACTS AT THE SAME TIME IN CON-  
SET THE CURRENT TO THE 70% OF THE RATED CURRENT VALUE

## [note 2]

THIS PRODUCT HAS RIF-LOCK CONSTRUCTION, FASTENING ON PCB OR SOMETHING FIXED IF  
FORCE IN VERTICAL DIRECTION SHALL BE PREDICTED

Note: Q1 Qualification Test, A1 Assurance Test, X Applicable Test

DRAWING NO

ELC4-155198-02

**HRS**

SPECIFICATION SHEET

PART NO

FH19SC-\*\*\*S-0.5SH (05)

HIROSE ELECTRIC CO., LTD

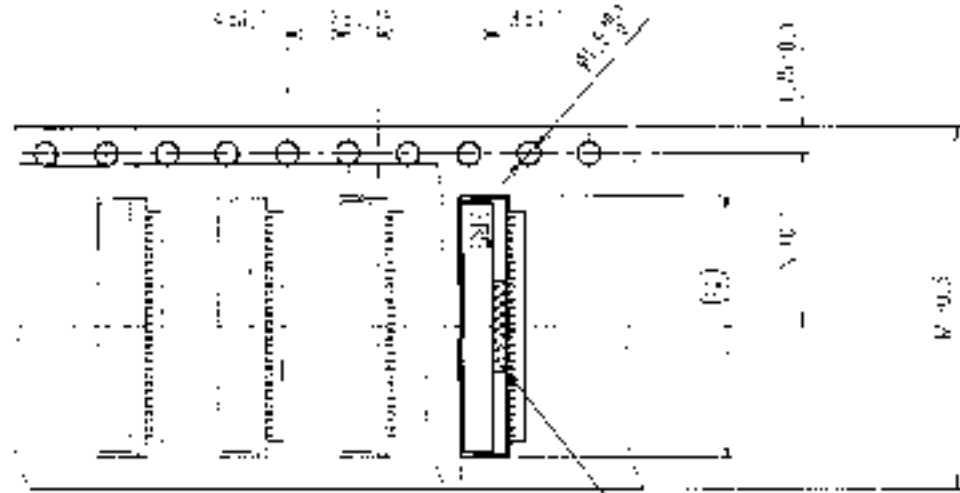
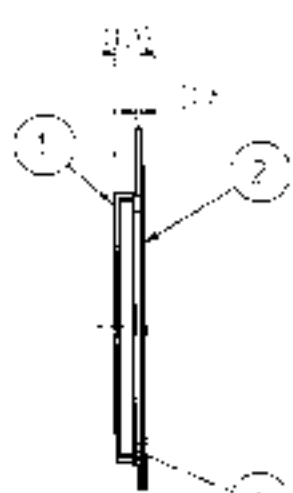
CODE NO

CL580

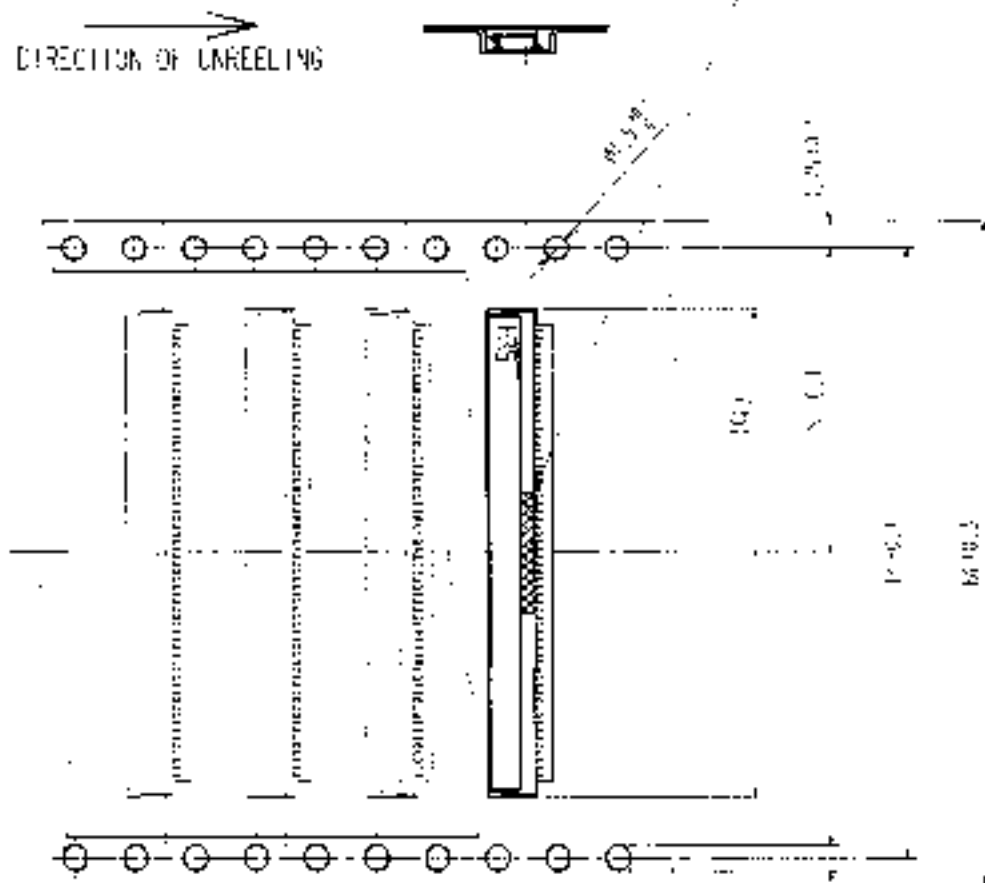
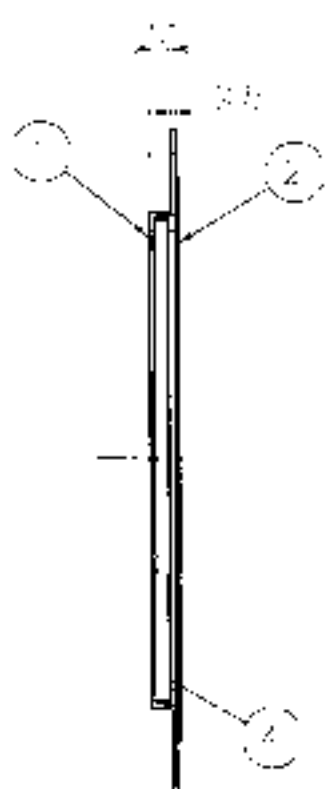
△ 2/2



● TAPE WIDTH : 24mm MAX

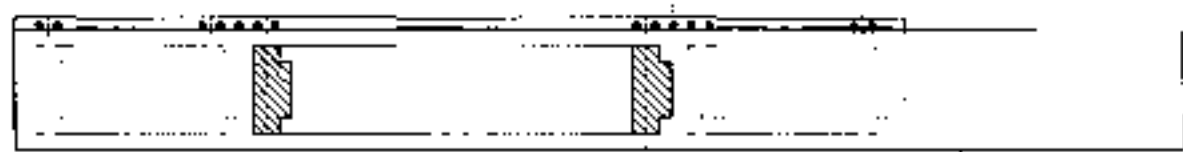


● TAPE WIDTH : 32mm MIN



DIRECTION OF UNREELING

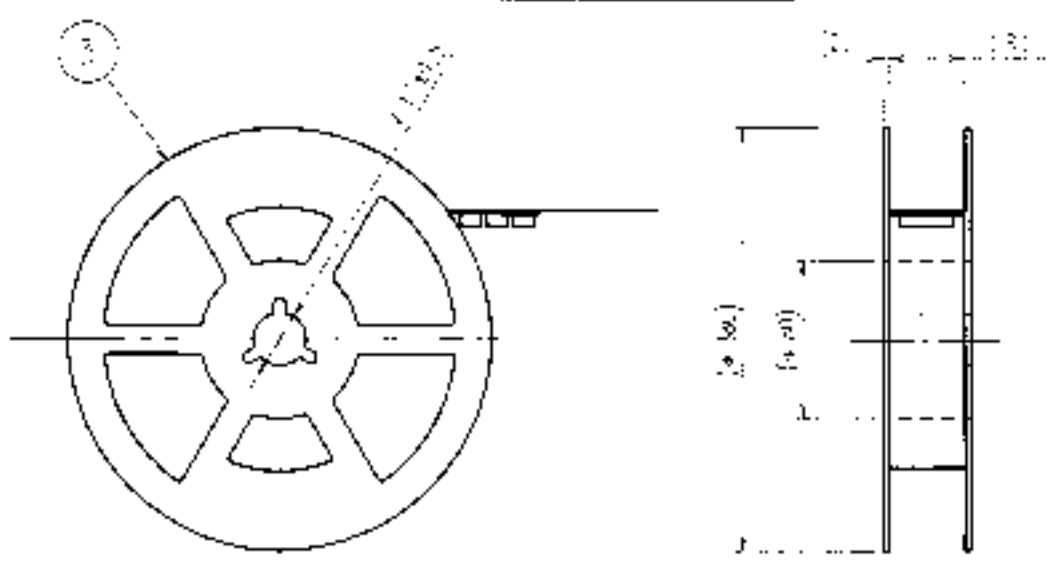
TRAILER REEL ON REEL AND CONNECTOR CONNECTOR W/L



① TAPE COMPONENT W/L ② BUSH COMPONENT W/L ③ TAPE COMPONENT W/L ④ TRAILER W/L

NO.	DESCRIPTION OF REVISION	BY	CHK	DATE	NO.	DESCRIPTION OF REVISION	BY	CHK	DATE

REEL DIMENSION (FREE)



- NOTES 1 THE DIMENSIONS IN PARENTHESIS ARE FOR REFERENCE.  
 2 PER REEL : 5000 CONNECTORS.  
 3 REFER TO JIS C 0302 (PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING.)

NO.	MATERIAL	FIN SH.	REMARKS	NO.	MATERIAL	FIN SH.	REMARKS
2	POLYESTER			4	(CONNECTOR)		
1	POLYSTYRENE			3	POLYSTYRENE		

CODE NO. (OLD)	CL	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED

DRAWING FOR PACKING  
 K. YAMAMOTO K. FUJIKAWA K. KUWATA S. TAKAYASU  
 05.08.74 05.08.74 05.08.75 05.08.75

DRAWING NO. 1303-155188-02 PART NO. FH19SC-\*\*\*S-0.5SH(CS)  
 SCALE 2:1 CODE NO. CL.580



HINDEN ELECTRIC CO., LTD.

2006.12/15 13.14 43 MAKI MIZUNO

DRAWING FOR REFERENCE: This is subject to change without notice

△ DIMENSION TABLE OF CONNECTOR, FPC, FPC LAND PATTERN AND METAL MASK

PART No.	CODE No.	*	A	B	C	D	J	K	L
FH19SC-4S-0.5SH(05)	CL580-0517-0-05	4	4	1.5	2.57	3.35	3.1	3.9	2.5
FH19SC-5S-0.5SH(05)	CL580-0515-0-05	5	4.5	2	3.07	3.85	3.6	4.4	3
FH19SC-6S-0.5SH(05)	CL580-0521-0-05	6	5	2.5	3.57	4.35	4.1	4.9	3.5
FH19SC-8S-0.5SH(05)	CL580-0520-0-05	8	6	3.5	4.57	5.35	5.1	5.9	4.5
FH19SC-9S-0.5SH(05)	CL580-0507-1-05	9	6.5	4	5.07	5.85	5.6	6.4	5
FH19SC-10S-0.5SH(05)	CL580-0508-4-05	10	7	4.5	5.57	6.35	6.1	6.9	5.5
FH19SC-12S-0.5SH(05)	CL580-0512-1-05	12	8	5.5	6.57	7.35	7.1	7.9	6.5
FH19SC-13S-0.5SH(05)	CL580-0518-0-05	13	8.5	6	7.07	7.85	7.6	8.4	7
FH19SC-14S-0.5SH(05)	CL580-0509-7-05	14	9	6.5	7.57	8.35	8.1	8.9	7.5
FH19SC-15S-0.5SH(05)	CL580-0503-0-05	15	9.5	7	8.07	8.85	8.6	9.4	8
FH19SC-16S-0.5SH(05)	CL580-0521-2-05	16	10	7.5	8.57	9.35	9.1	9.9	8.5
FH19SC-17S-0.5SH(05)	CL580-0504-3-05	17	10.5	8	9.07	9.85	9.6	10.4	9
FH19SC-18S-0.5SH(05)	CL580-0519-0-05	18	11	8.5	9.57	10.35	10.1	10.9	9.5
FH19SC-20S-0.5SH(05)	CL580-0502-8-05	20	12	9.5	10.57	11.35	11.1	11.9	10.5
FH19SC-21S-0.5SH(05)	CL580-0505-6-05	21	12.5	10	11.07	11.85	11.6	12.4	11
FH19SC-22S-0.5SH(05)	CL580-0526-9-05	22	13	10.5	11.57	12.35	12.1	12.9	11.5
FH19SC-24S-0.5SH(05)	CL580-0511-9-05	24	14	11.5	12.57	13.35	13.1	13.9	12.5
FH19SC-26S-0.5SH(05)	CL580-0510-6-05	26	15	12.5	13.57	14.35	14.1	14.9	13.5
FH19SC-27S-0.5SH(05)	CL580-0516-2-05	27	15.5	13	14.07	14.85	14.6	15.4	14
FH19SC-28S-0.5SH(05)	CL580-0513-4-05	28	16	13.5	14.57	15.35	15.1	15.9	14.5
FH19SC-30S-0.5SH(05)	CL580-0500-2-05	30	17	14.5	15.57	16.35	16.1	16.9	15.5
FH19SC-32S-0.5SH(05)	CL580-0514-7-05	32	18	15.5	16.57	17.35	17.1	17.9	16.5
△ FH19SC-40S-0.5SH(05)	CL580-0522-5-05	40	22	19.5	20.57	21.35	21.1	21.9	20.5
△ FH19SC-45S-0.5SH(05)	CL580-0523-8-05	45	24.5	22	23.07	23.85	23.6	24.4	23
△ FH19SC-50S-0.5SH(05)	CL580-0524-0-05	50	27	24.5	25.57	26.35	26.1	26.9	25.5

△△ DEFINITION

△ DIMENSION TABLE OF DRAWING FOR PACKING

PART No.	CODE No.	*	M	N	P	Q	R
FH19SC-4S-0.5SH(05)	CL580-0517-0-05	4	16	7.5	—	4.3	16.5
FH19SC-5S-0.5SH(05)	CL580-0515-0-05	5	16	7.5	—	4.8	16.5
FH19SC-6S-0.5SH(05)	CL580-0521-0-05	6	16	7.5	—	5.3	16.5
FH19SC-8S-0.5SH(05)	CL580-0520-0-05	8	16	7.5	—	5.3	16.5
FH19SC-9S-0.5SH(05)	CL580-0507-1-05	9	16	7.5	—	6.8	16.5
FH19SC-10S-0.5SH(05)	CL580-0508-4-05	10	16	7.5	—	7.3	16.5
FH19SC-12S-0.5SH(05)	CL580-0512-1-05	12	16	7.5	—	8.3	16.5
FH19SC-13S-0.5SH(05)	CL580-0518-0-05	13	16	7.5	—	8.8	16.5
FH19SC-14S-0.5SH(05)	CL580-0509-7-05	14	16	7.5	—	9.3	16.5
FH19SC-15S-0.5SH(05)	CL580-0503-0-05	15	16	7.5	—	9.8	16.5
FH19SC-16S-0.5SH(05)	CL580-0521-2-05	16	24	11.5	—	10.3	24.5
FH19SC-17S-0.5SH(05)	CL580-0504-3-05	17	24	11.5	—	10.8	24.5
FH19SC-18S-0.5SH(05)	CL580-0519-0-05	18	24	11.5	—	11.3	24.5
FH19SC-20S-0.5SH(05)	CL580-0502-8-05	20	24	11.5	—	12.3	24.5
FH19SC-21S-0.5SH(05)	CL580-0505-6-05	21	24	11.5	—	12.8	24.5
FH19SC-22S-0.5SH(05)	CL580-0526-9-05	22	24	11.5	—	13.3	24.5
FH19SC-24S-0.5SH(05)	CL580-0511-9-05	24	24	11.5	—	14.3	24.5
FH19SC-26S-0.5SH(05)	CL580-0510-6-05	26	24	11.5	—	15.3	24.5
FH19SC-27S-0.5SH(05)	CL580-0516-2-05	27	24	11.5	—	15.8	24.5
FH19SC-28S-0.5SH(05)	CL580-0513-4-05	28	24	11.5	—	16.3	24.5
FH19SC-30S-0.5SH(05)	CL580-0500-2-05	30	24	11.5	—	17.3	24.5
FH19SC-32S-0.5SH(05)	CL580-0514-7-05	32	32	14.2	28.4	18.3	32.5
△ FH19SC-40S-0.5SH(05)	CL580-0522-5-05	40	44	20.2	40.4	22.3	44.5
△ FH19SC-45S-0.5SH(05)	CL580-0523-8-05	45	44	20.2	40.4	24.8	44.5
△ FH19SC-50S-0.5SH(05)	CL580-0524-0-05	50	44	20.2	40.4	27.3	44.5

\* : NUMBER OF CONTACTS

NO.	MATERIAL	FIN SH.	REMARKS	NO.	MATERIAL	FIN SH.	REMARKS	
CODE NO. (OLD) CL				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
				YAMAMOTO	K. FURUKAWA	T. KUNATA	S. TAKAYASU	
				05-08-24	05-08-24	05-09-25	05-08-25	
DRAWING NO. EDC3 155 '98 02				PART NO. FH19SC 4-5 0.5SH(05)				
SCALE				DATE				
1:1				05-08-24				
DRAWN				DATE				
HRS				CL580				
HRS ENGINEERING CO., LTD.				FORM NO. 225				

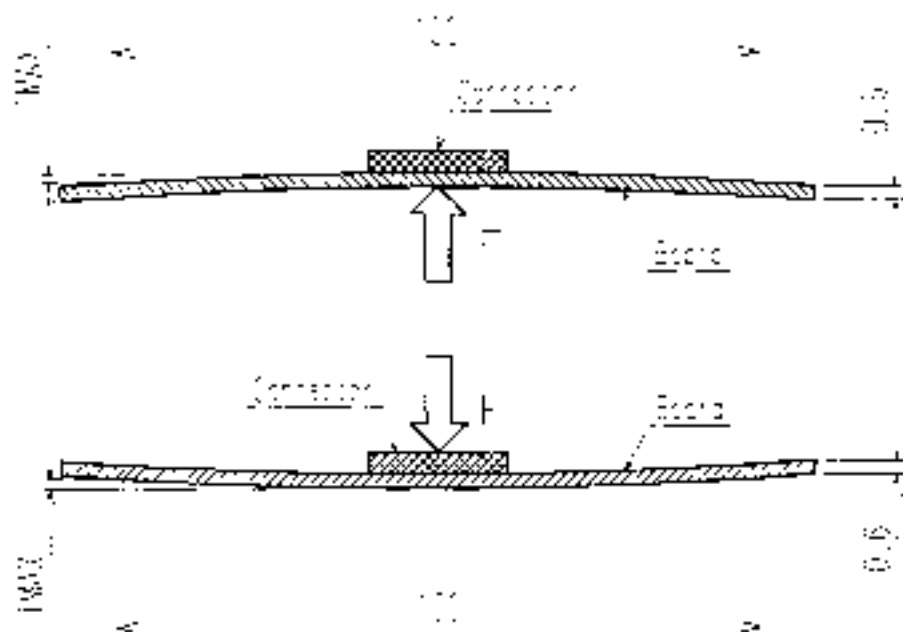
2006-12/15 13.14 43 MAKI MIZUNO

DRAWING FOR REFERENCE: This is subject to change without notice

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

**INSTRUCTIONS FOR MOUNTING ON THE BOARD**

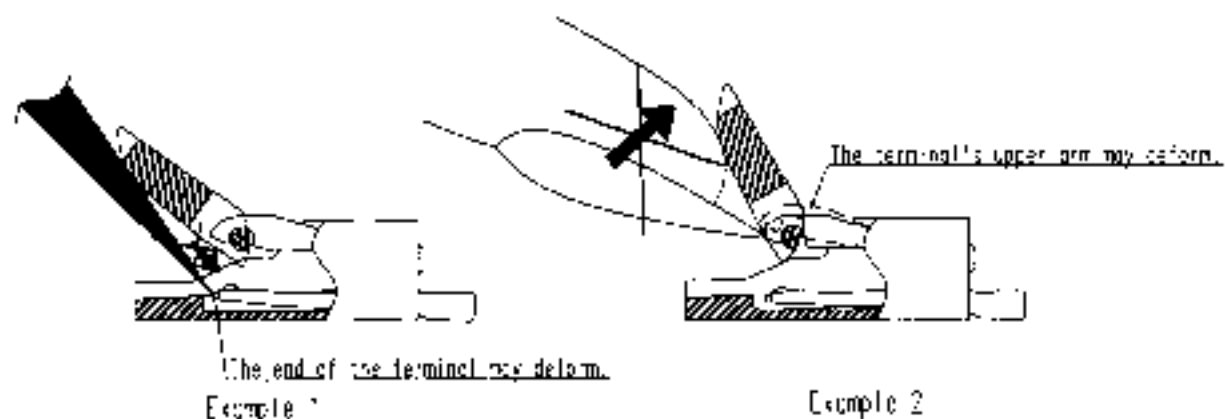
- ◆ **Warp of Board**  
Minimize warp of the board as much as possible.  
Lead co-planarity including reinforced metal fittings is 0.1 mm or less.  
Too much warp of the board may result in a soldering failure.
- ◆ **Load to Connector**  
Do not apply a force of 1 N or more to the connector before mounting it on the board.  
Otherwise, the connector may be broken.  
Do not insert the FPC or operate the connector before mounting it.
- ◆ **Load to Board**  
- Splitting a large board into several pieces  
- Screwing the board  
Avoid 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 1 mm or less.  
The warp of board suffers stress on connector and the connector may become defective.



NO.	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	NO.	DESCRIPTION OF REVISIONS	BY	CHKD	DATE

**INSTRUCTIONS ON INSERTING FPC AND CONNECTION**

- ◆ **Use of the Lock Lever**  
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 or pair of tweezers as shown below, the terminals may be deformed.



- 2. When operating the lock lever, do not apply a force in the direction of the connector. The lock lever may get pushed into the connector, causing damage to the connector.



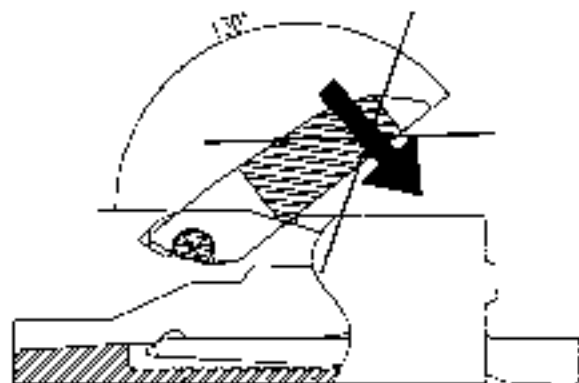
The lock lever is designed to rotate on the axis shown in the figure below so make sure to use a rotating motion when operating it.



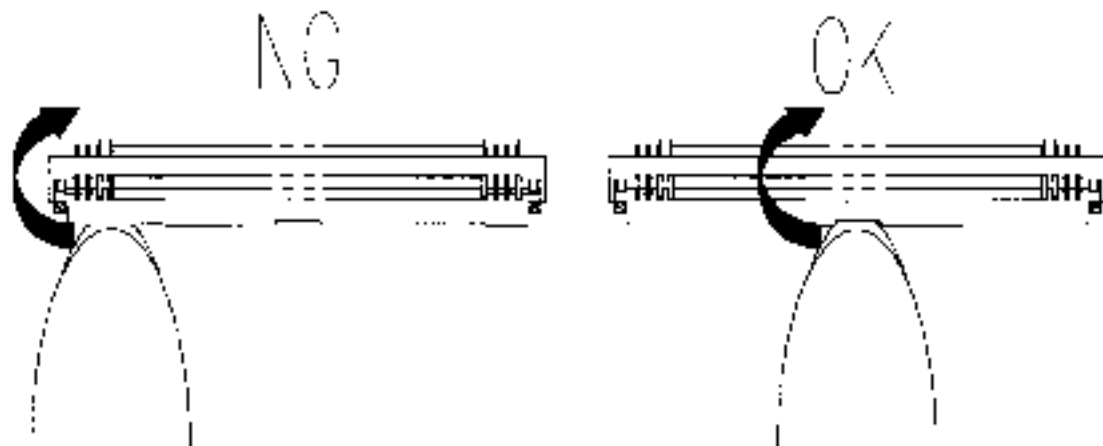
CODE NO. (CLD)		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		K. YAMANOJO	K. FUKAWA	T. KUMATA	H. TAKAYASU	
INSTRUCT ON MANUAL		05-06-24	05-08-24	05-08-25	05-08-25	
DRAWING NO.	PART NO.	SCALE		CODE NO.		
FDC3-155198-02	-H1950-1*5	0.554(05)		CL580		
HRS		HINDO ELECTRIC CO., LTD.		FORM NO. 229		

TO  
NO

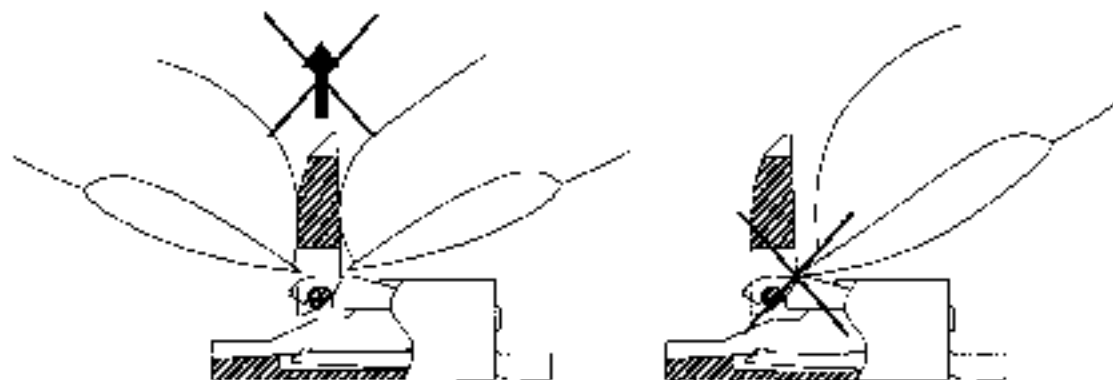
3. The lock lever is not designed to open more than 150 degrees, so do not push it back further than this. Doing so may result in deformed terminals, lock lever break-off or other damage.



4. When operating the lock lever, avoid operating it at its end. Make sure to operate it at its middle section.



5. Do not lift or snag the lock lever as shown in the figures below. This can result in damage. (Operate the lever only in a rotating fashion as instructed in paragraph 2 above.)



NO.	DESCRIPTION OF REVISIONS	BY	CHK	DATE	NO.	DESCRIPTION OF REVISIONS	BY	CHK	DATE

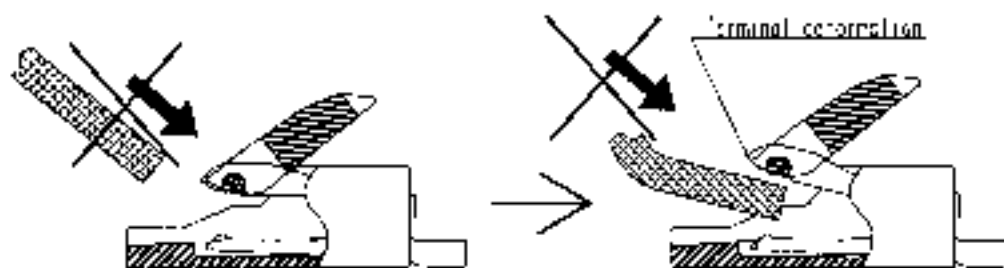
◆ Contact orientation  
This connector is configured with its contacts at the bottom. Therefore, insert the FPC with the side with the exposed conductors facing down.

◆ Inserting an FPC  
1. Insert the FPC parallel to the board and perpendicular to the connector, and press it in securely and fully. Inserting the FPC at an angle may result in shorts due to a too steep curvature of the FPC's edges snagging the terminal and causing them to deform. This connector has a ZIF structure with an effective engagement length of 1.5mm (at the nominal FPC dimension recommended by Hirose). Therefore, operate the lock lever with care after the FPC has been inserted so that the FPC does not pull loose.

2. When inserting the FPC, make sure not to bump the FPC's lip against the upper arm area of the terminal. This may cause the terminal to deform.

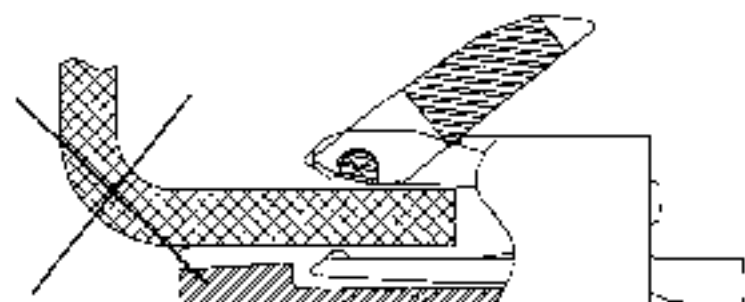


3. Do not insert the FPC at an angle.  
Do not insert the FPC from above at an angle as shown in the figure. This may cause the FPC to bend or the terminal to deform. Additionally, the FPC may not insert all the way and result in disconnection.  
• Please design the layout to provide for enough space for the FPC so that it will not have to be inserted at an angle.  
• Please speak with your FPC manufacturer for FPC bendability.

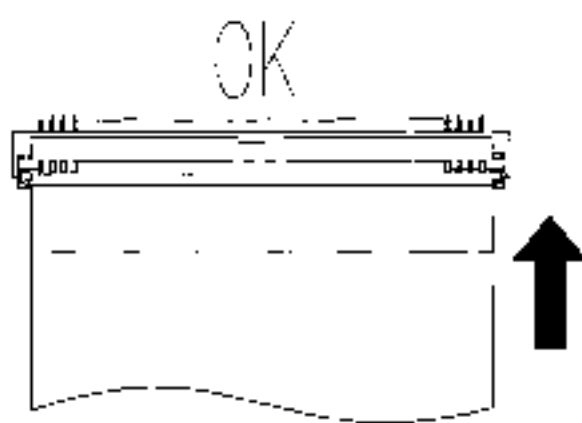
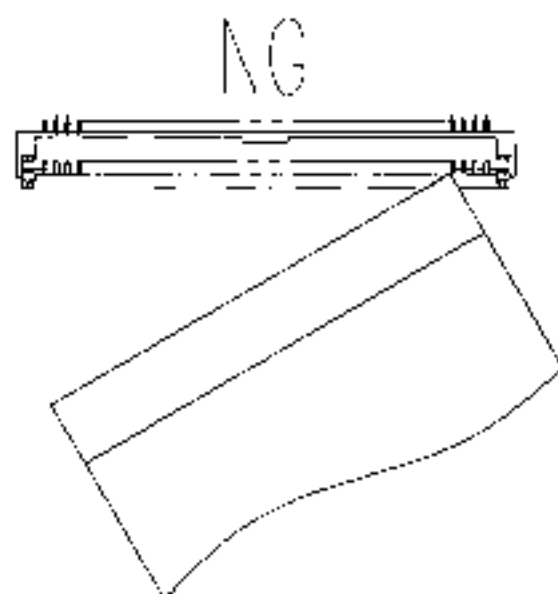


CODE NO. (OLD) C	DRAWN K. YAMAGUCHI	DIS. DATE 05-08-74	CHECKED T. KURATA	APPROVED R. TAKAYASU	RELEASED
INSTRUCTION MANUAL			05-08-74 05-08-74 05-08-74 05-06-75		
SCALE ECC3-155198-02	DRAW NO. NO.	PART NO. FH19SC-***S-0.5SH(05)			
UNITS mm	HRS HIROSE ELECTRIC CO., LTD.		CODE NO. CL580		5/

4. When inserting (or removing) an FPC using a pair of tweezers, once the tip of the FPC is inside the connector, do not hold the FPC at an area above the connector (higher than 1mm from the board), twist the FPC or apply upward force. The upper arm area of the terminal will deform and compromise reliability.

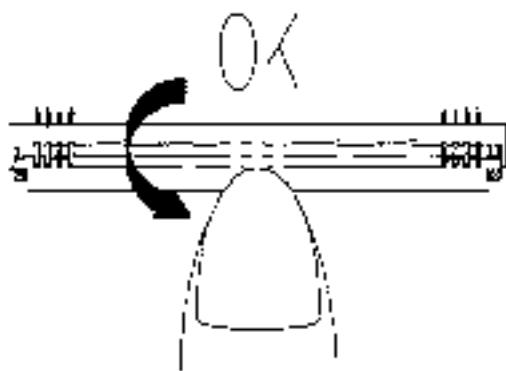
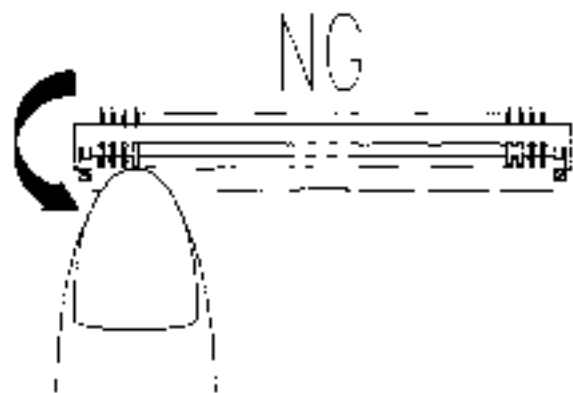


5. When inserting an FPC, do not use the method shown in the photo on the left below where the corner of the FPC is inserted first and then slid sideways. The FPC's corner can deform the terminal's contacts. Always insert the FPC parallel to the board as shown in the photo on the right below.



[Reminders on operating the lock]

- Lock lever operation  
Once the FPC is attached, do not operate the end of the lock lever as shown in the photo on the left below to close the lock. This can cause damage to the lock lever. Always operate the middle area of the lock lever as shown in the photo on the right when operating the lock.

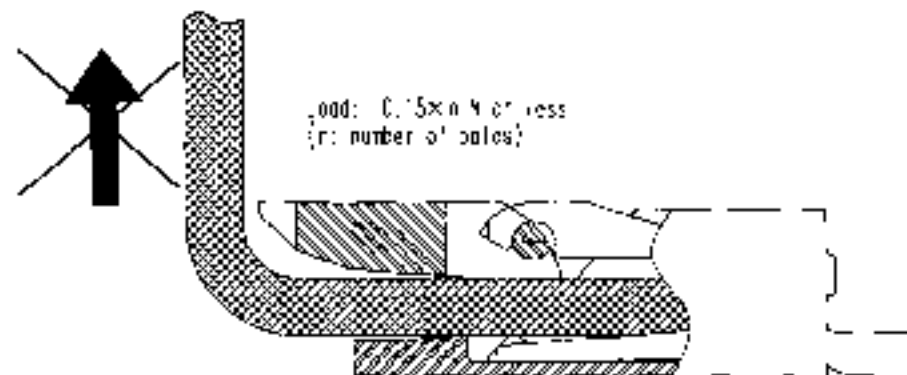


NO.	DESCRIPTION OF REVISIONS	BY	CHK	DATE	NO.	DESCRIPTION OF REVISIONS	BY	CHK	DATE

- Confirming the state of the lock  
Once it is locked, make sure that the lock lever is parallel to the board. However, if the lock lever approaches 90 degrees, make sure that it is not.

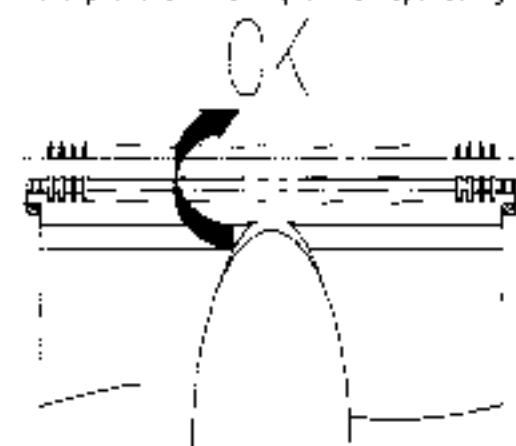
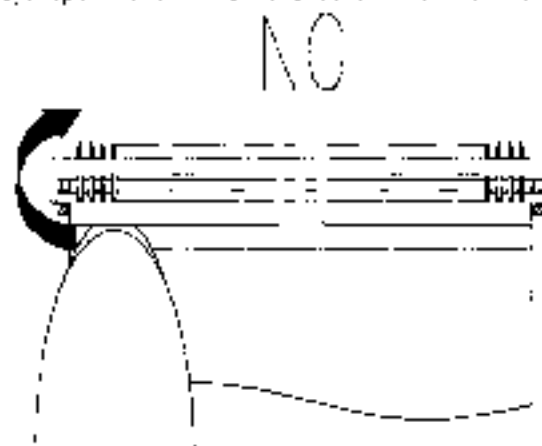
[Reminders on FPC routing after it has been connected]

- Loads applied to the FPC  
Once the FPC is attached, make sure that it is not subjected to loads. This can cause the connector lock to disengage, or cause a disconnection or damage to the FPC. If the FPC is subjected to a constant load, fixate the FPC in place. When routing the FPC, make sure that it is not forced to make a tight bend at the FPC connection.



[Reminders on releasing the lock]

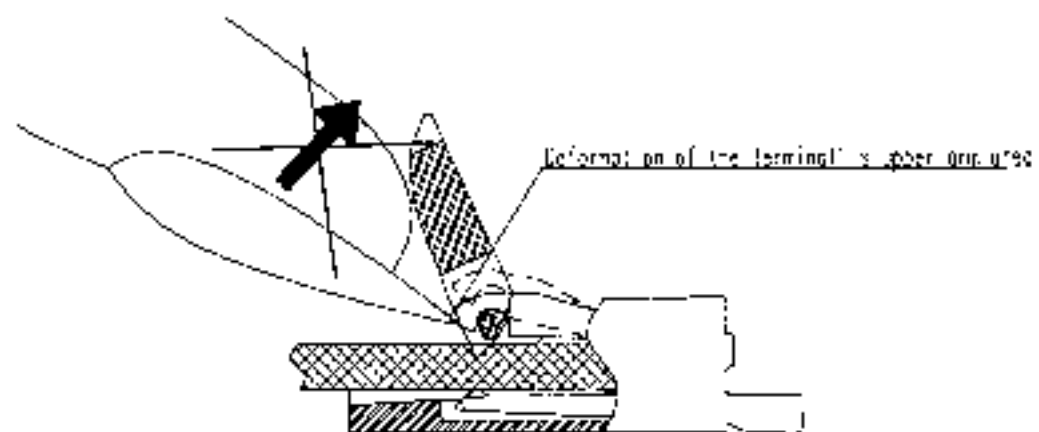
- Operating the lock lever  
Do not operate the end of the lock lever as shown in the photo on the left below when releasing the lock. This can cause damage to the lock lever. Always operate the middle area of the lock lever as shown in the photo on the right when operating the lock.



CODE NO. (OLD) G	DRAWN K. YAMAMOTO	DESIGNED K. FURUKAWA	CHECKED I. KUNATA	APPROVED H. TAGAYASU	RELEASED
INSTRUCTION MANUAL		05-28-24	05-08-24	05-08-25	05-08-25
SCALE 1	DRAWING NO. EDC3 155198-02	PART NO. FH19SC- **S-C.5SH(05)	CODE NO. CL580	6	
HRS		CL580			

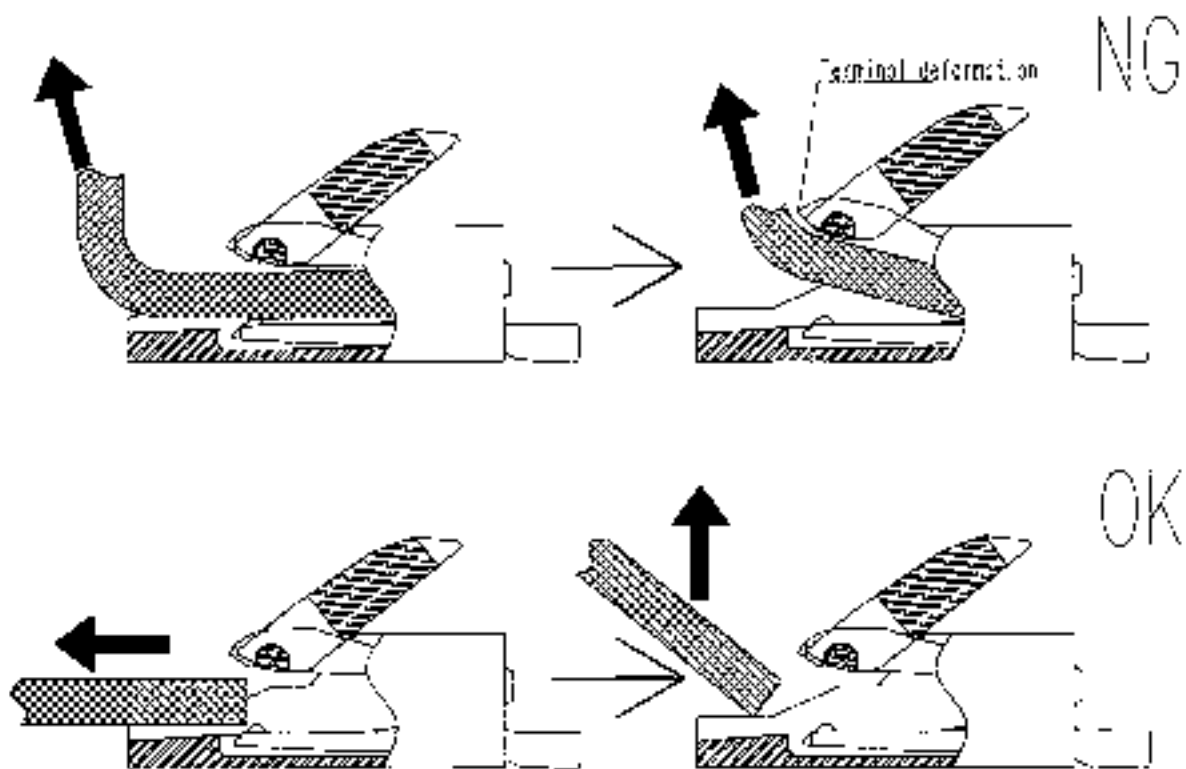


2. When opening a lock lever that is in its locked state (FPC is inserted), take special care not to apply excessive force, inserting a fingernail or pair of tweezers deeply, as shown in the figure below, may result in deformed terminals.



**Reminders on removing the FPC**

- ◆ To remove the FPC, always make sure that the lock lever has been fully released. Do not pull the FPC straight up or at an angle while it is still in the connector. This may cause the upper arm area of the terminal to deform and cause contact failure. To remove the FPC, pull the FPC parallel to the board until it is fully removed from the connector as shown in the figure below.



NO.	DESCRIPTION OF REVISIONS	BY	CHK	DATE	NO.	DESCRIPTION OF REVISIONS	BY	CHK	DATE

**Other reminders**

- ◆ Reminders on manual soldering
  1. Do not perform reflows or manual soldering with an FPC inserted in the connector.
  2. Do not apply excessive heat or allow the soldering iron to touch areas other than the connector's leads. This can cause the connector to deform or melt.
  3. Do not use excessive solder (flux). When too much solder (flux) is used, it can attach to the contacts or the lock lever's rotation shaft and cause contact failure or faulty lock lever rotation. Additionally, make sure not to use excessive solder on the reinforcement hardware. This may interfere with the lock lever's rotation and cause connector damage.

CONF. NO. (CLD)	2	DESIGNED	K. YAMAMOTO	CHECKED	T. KUMATA	APPROVED	R. TAKAYASU	RELEASED	
INSTRUCTION MANUAL		05-08-24	05-08-24	05-08-25	05-08-25				
SCALE	EDC3-155198-02	DRAW NO. NO.		PART NO.		F-119SC-***S-0.5S-1(05)			
UNITS	HRS	H. ROSE ELECTRIC CO. LTD.		SHEET NO.		CL580			