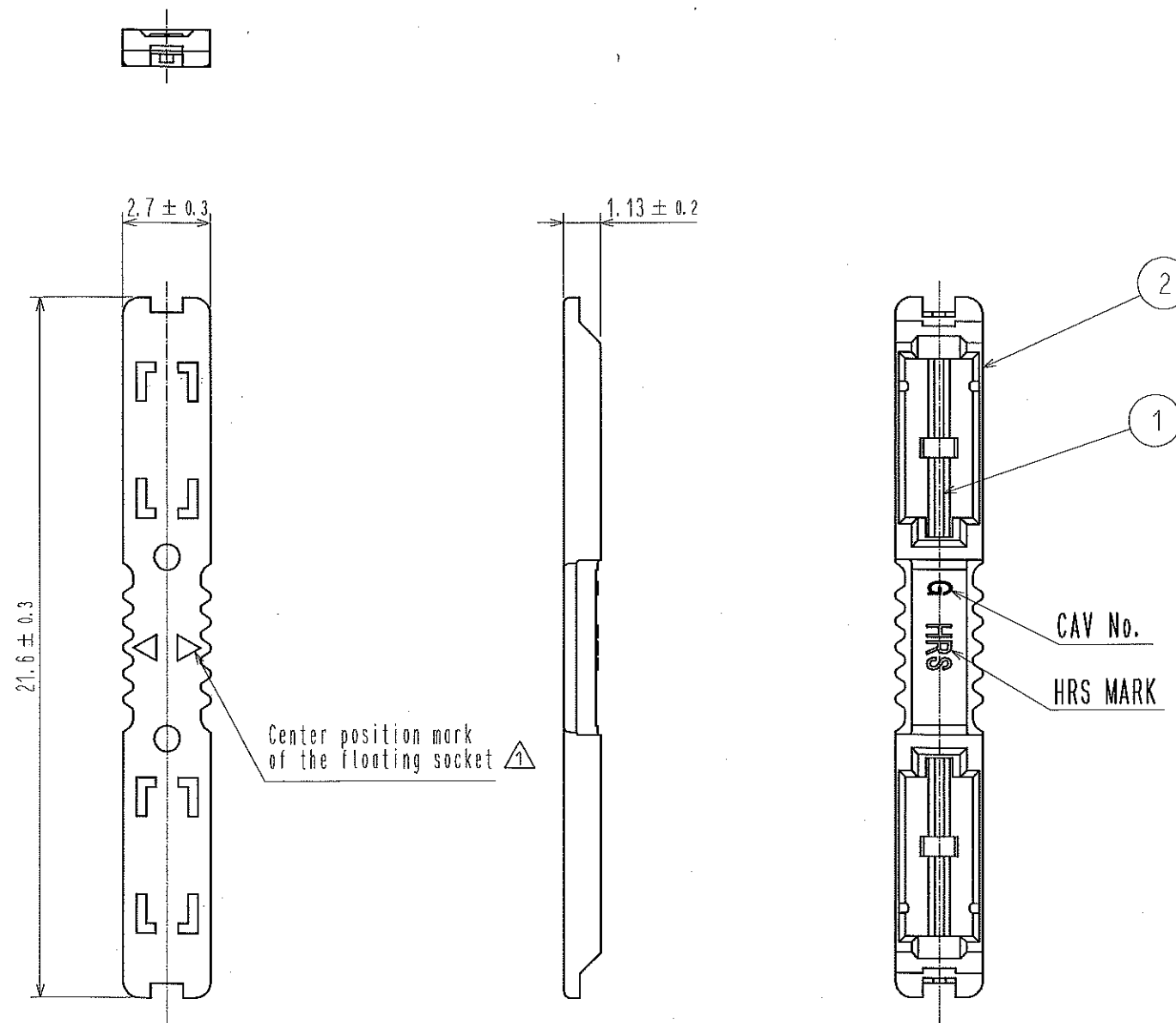
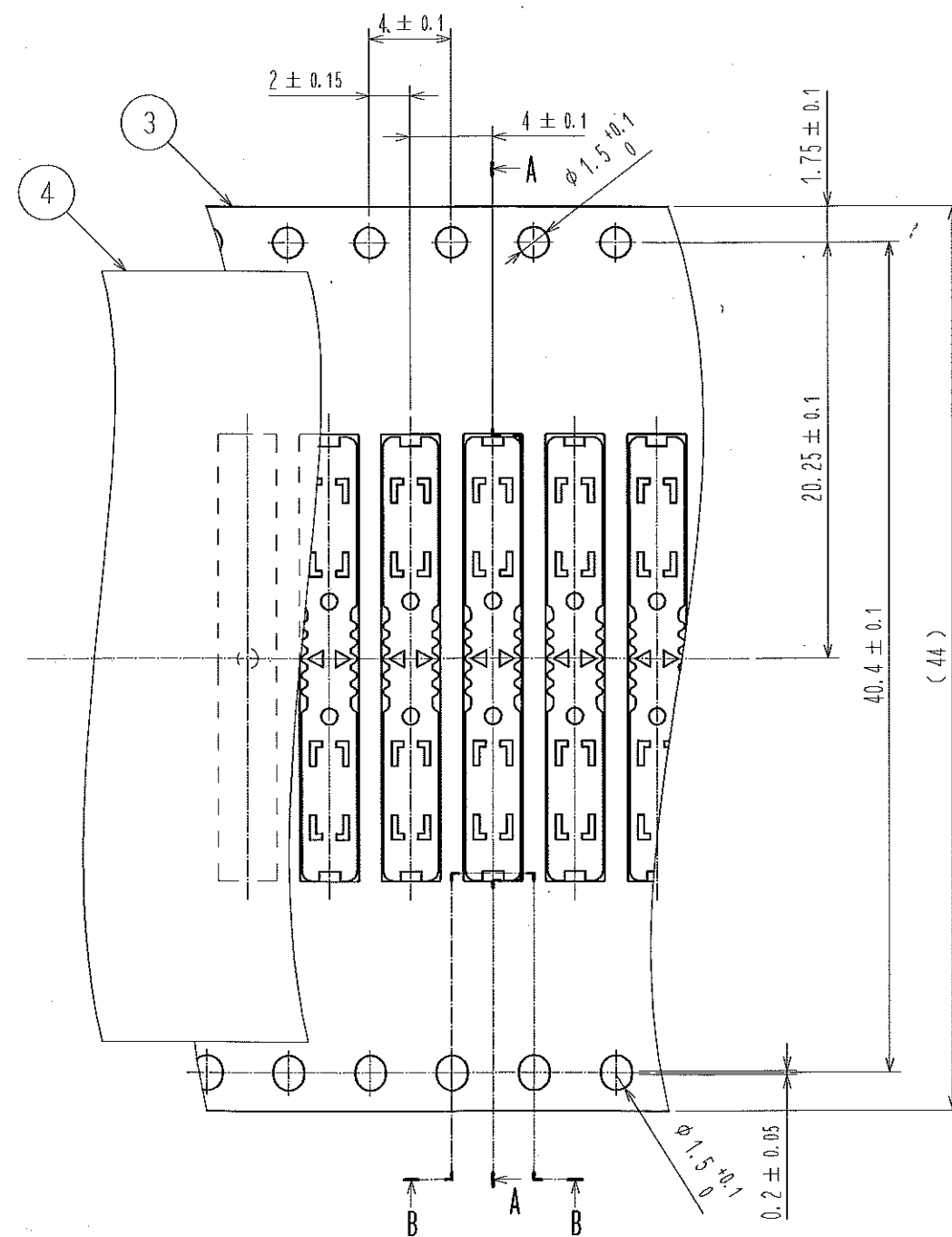


APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +105°C (NOTE1)	STORAGE TEMPERATURE RANGE		-10 °C TO +60°C (NOTE3)
	OPERATING HUMIDITY RANGE	20% TO 80% (NOTE2)	STORAGE HUMIDITY RANGE		40% TO 70% (NOTE3)
	APPLICABLE CONNECTOR	DF59S-1S-V	CURRENT		3A
			VOLTAGE	SPECIFICATION	AC/DC 350V (NOTE4)
				UL/C-UL	TBD
	TÜV	TBD			
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X X
MARKING		CONFIRMED VISUALLY.			X X
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		DC6V MAX, 100mA.		50mΩ MAX.	X -
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		10TIMES INSERTION AND EXTRACTION.		①50mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X -
VIBRATION		FREQUENCY 10 TO 55Hz, SINGLE AMPLITUDE 0.75mm, AT 10CYCLES FOR 3DIRECTION.		①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X -
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			X -
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2°C , 90 TO 95 %, 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)		①50mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X -
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55°C→ +85°C TIME 30min→ 30min UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE TANK IS 2~3 min) (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)			X -
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT. NOTE2:NO CONDENSING NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFOR PCB ON BOARD, AFTER PCB BOARD , OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION. NOTE4:APPLY TO THE CONDITION OF PARALLEL ARRANGEMENT THE SIZE BETWEEN PATTERN:3.0mm MIN FOR THE VOLTAGE.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARKS				APPROVED	12.11.14
				CHECKED	12.11.14
				DESIGNED	12.11.13
				DRAWN	12.11.13
Unless otherwise specified, refer to JIS C 5402 and IEC60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-342886-03
HRS	SPECIFICATION SHEET		PART NO.	DF59S-1P-FC (24)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL667-0023-3-24	△ 1/1



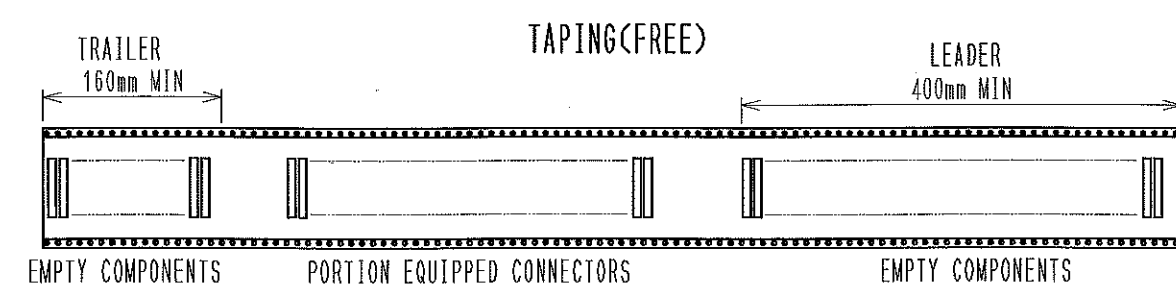
NOTE1. REFER TO THE DF59S SERIES MATING/UNMATING OPERATION INSTRUCTION MANUAL (ETAD-H0651) FOR THE OPERATING OF THE PRODUCT.

2	LCP	UL94V-0. BEIGE	5	PS	REEL. BLACK
1	BRASS	SURFACE:TIN PLATING 1μm MIN UNDER PLATING:Cu PLATING 0.3μm MIN	4	POLYESTER	CLEAR(COVER TAPE)
			3	PS	CLEAR(EMBOSSED CARRIER TAPE)
NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
UNITS mm		SCALE 5 : 1	COUNT 1	DESCRIPTION OF REVISIONS DIS-H-007568	DESIGNED MI. SAKIMURA
					CHECKED TS. KUMAZAWA
					DATE 13. 01. 23
HRS HIROSE ELECTRIC CO., LTD.		APPROVED : KI. AKIYAMA	12. 11. 14	DRAWING NO.	EDC3-342886-03
		CHECKED : OM. MIYAMOTO	12. 11. 14	PART NO.	DF59S-1P-FC(24)
		DESIGNED : KT. ISHII	12. 11. 13	CODE NO.	CL667-0023-3-24
		DRAWN : KT. ISHII	12. 11. 13		

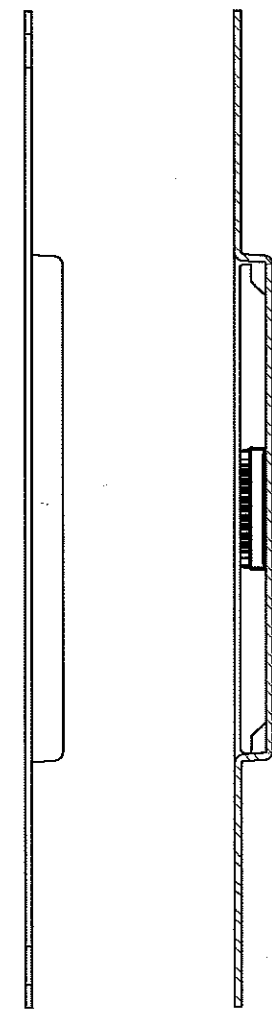


B-B(FREE)

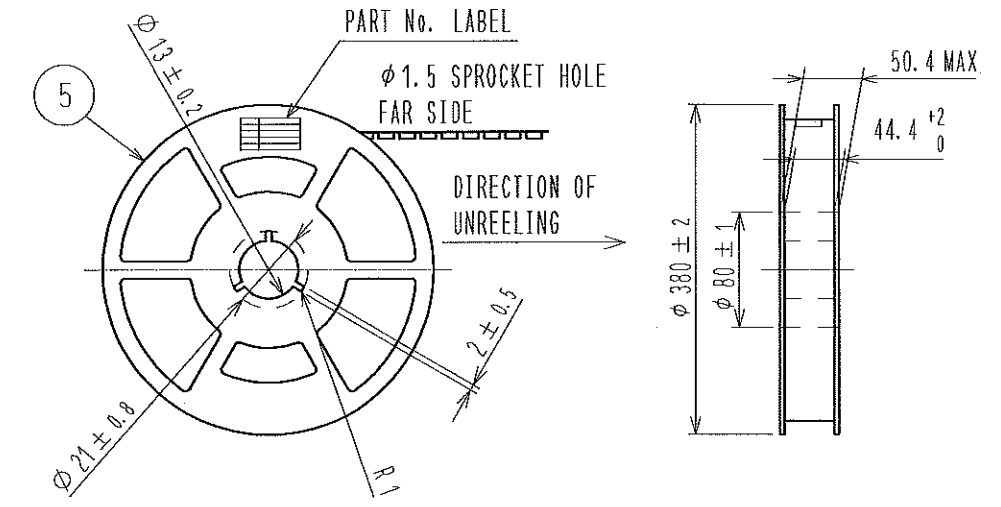
DIRECTION OF UNREELING →



A-A(FREE)



STYLE AND DIMENSION OF REEL(FREE)



DETAIL OF PART No. LABEL

生産月日	年 月 日
図 番	CL667-0023-3-24
品 名	DF59S-1P-FC(24)
納入数量	1000 K0
納入者	ヒロセ電機(株)

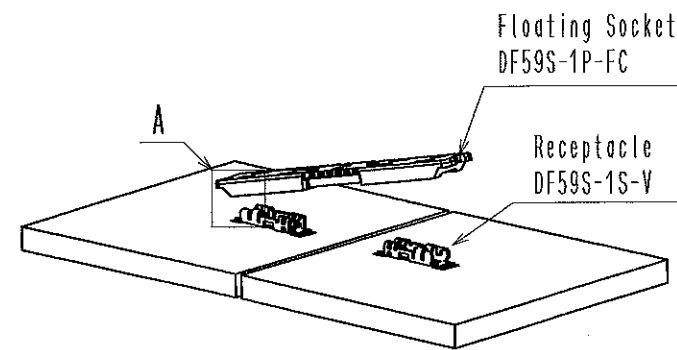
NOTE2. 1REEL:1000 CONNECTORS.
3. THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.

HRS	DRAWING NO.	EDC3-342886-03	
	PART NO.	DF59S-1P-FC(24)	
	CODE NO.	CL667-0023-3-24	

DF59S Operation Procedures for Floating Socket

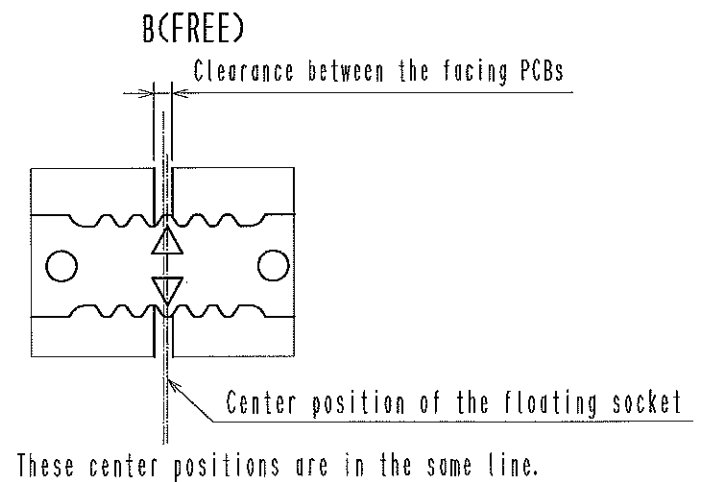
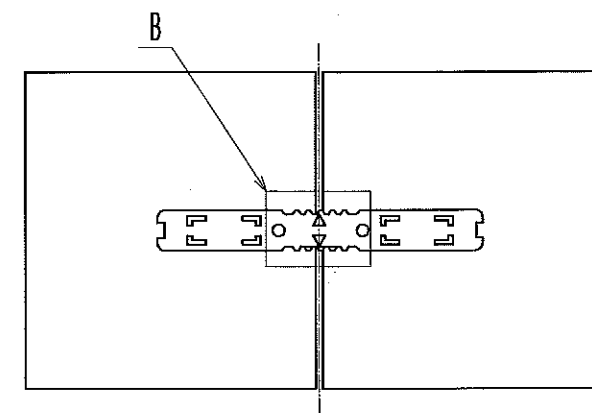
《Mating》

1. Place the floating socket at the tip on the receptacle mating point.



2. Align the center position of floating socket to the center position of the clearance between the facing PCBs in a line.

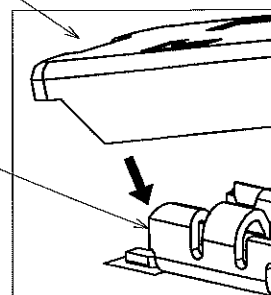
Press down at the center surface of the floating socket.



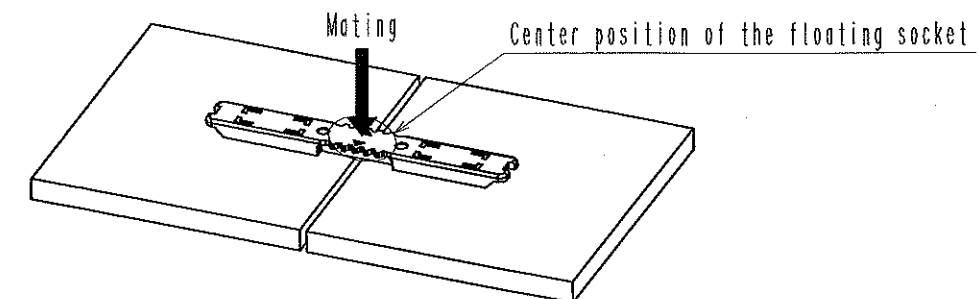
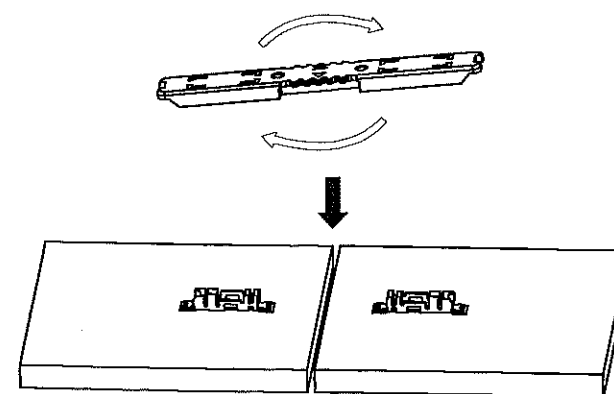
Floating socket at the tip

A(FREE)

Receptacle mating point

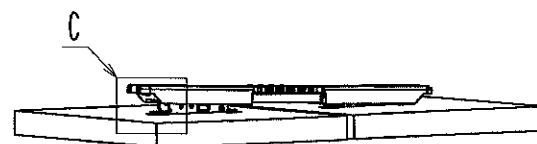


※Floating socket can be mating both directions.

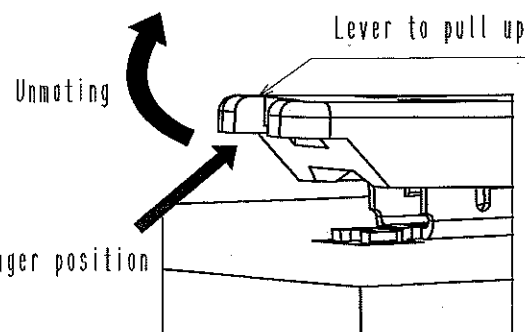


《Unmating》

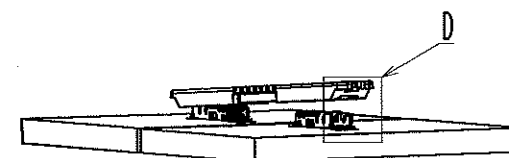
1. Hook the lever on either sides of floating socket with finger and lift up to the upper direction for unlock.
(Lift up until friction lock is released.)



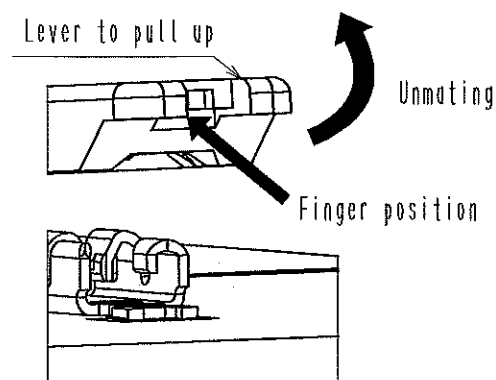
C(FREE)



2. After releasing either side, hook the lever on the other side with a finger and lift up to the upper direction, too.



D(FREE)



HRS

DRAWING NO.	EDC3-342886-03
PART NO.	DF59S-1P-FC(24)
CODE NO.	CL667-0023-3-24

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DF59S Dimension of floating

The dimension of floating at the time of using a floating socket is shown below.
Please use in the limits of dimension.

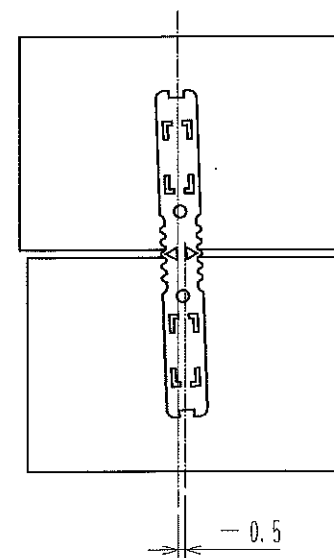
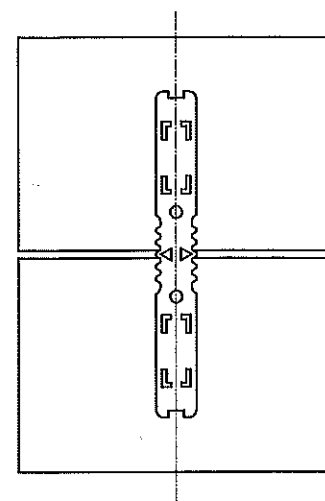
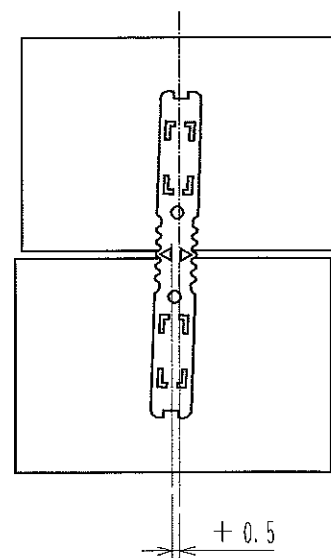
《Direction of X axis》

The dimension of floating of X direction is shown below.

Direction of X axis floating: +0.5mm

Normal mating

Direction of X axis floating: -0.5mm



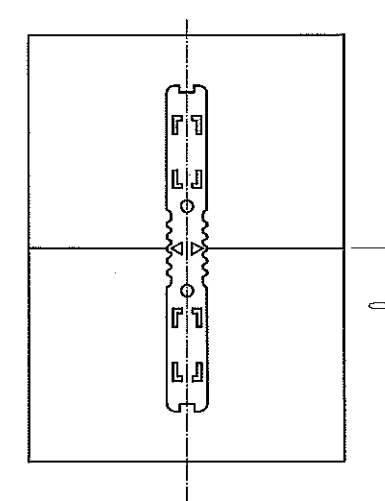
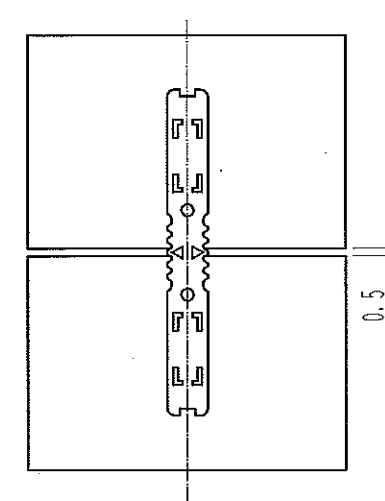
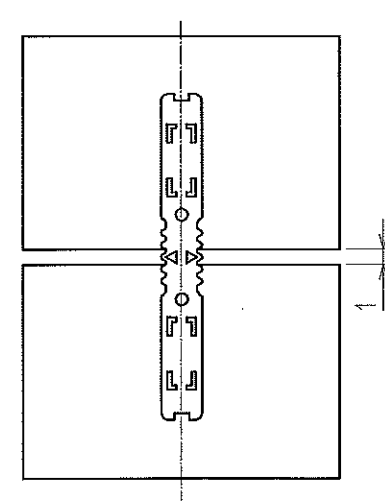
《Direction of Y axis》

The dimension of floating of Y direction is shown below.

Direction of Y axis floating: +0.5mm

Normal mating

Direction of Y axis floating: -0.5mm



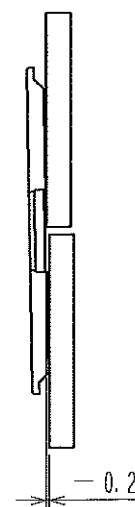
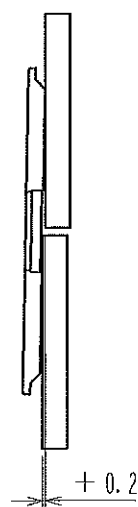
《Direction of Z axis》

The dimension of floating of Z direction is shown below.

Direction of Z axis floating: +0.2mm

Normal mating

Direction of Z axis floating: -0.2mm



HRS

図番: EDC3-342886-03

製品名: DF59S-1P-FC(24)

製品コード: CL667-0023-3-24

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