

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85°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)
	VOLTAGE	50 V AC/DC	APPLICABLE CONNECTOR	DF57H-6P-1.2V(##)
	CURRENT	AWG28 : 1.5A AWG30 : 1.0A AWG32 : 0.8A AWG34 : 0.5A	APPLICABLE CONTACT	DF57-2830SCF DF57-3234SCF

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X

ELECTRIC CHARACTERISTICS

INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	X	—
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—

MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION	30 TIMES INSERTION AND EXTRACTION.	NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION.	NO 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.)	① INSULATION RESISTANCE: 100 MΩ MIN. ② NO 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.)	① INSULATION RESISTANCE: 100 MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	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 HUMIDITTY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION.

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
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REMARKS

Unless otherwise specified, refer to JIS C 5402.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO.

ELC4-343903-01



SPECIFICATION SHEET

PART NO.

DF57H-6S-1.2C

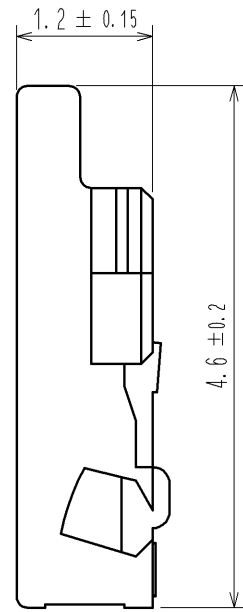
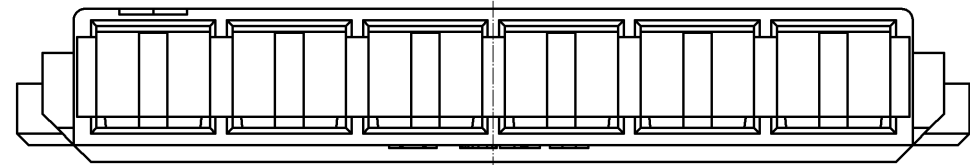
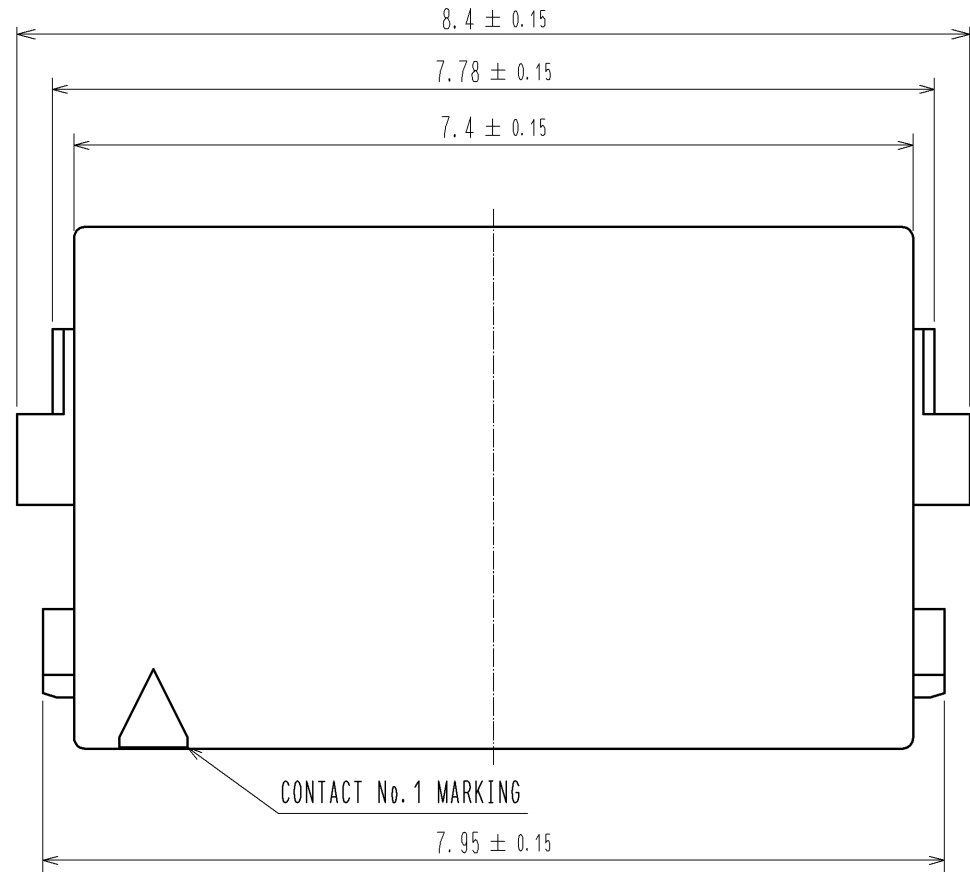
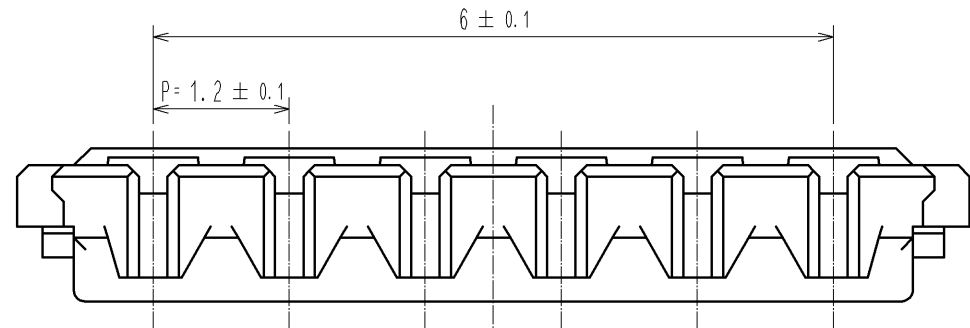
HIROSE ELECTRIC CO., LTD.

CODE NO.

CL666-0103-4-00

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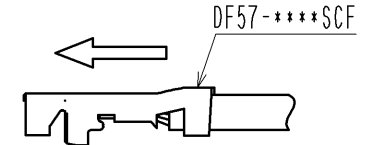
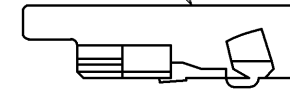
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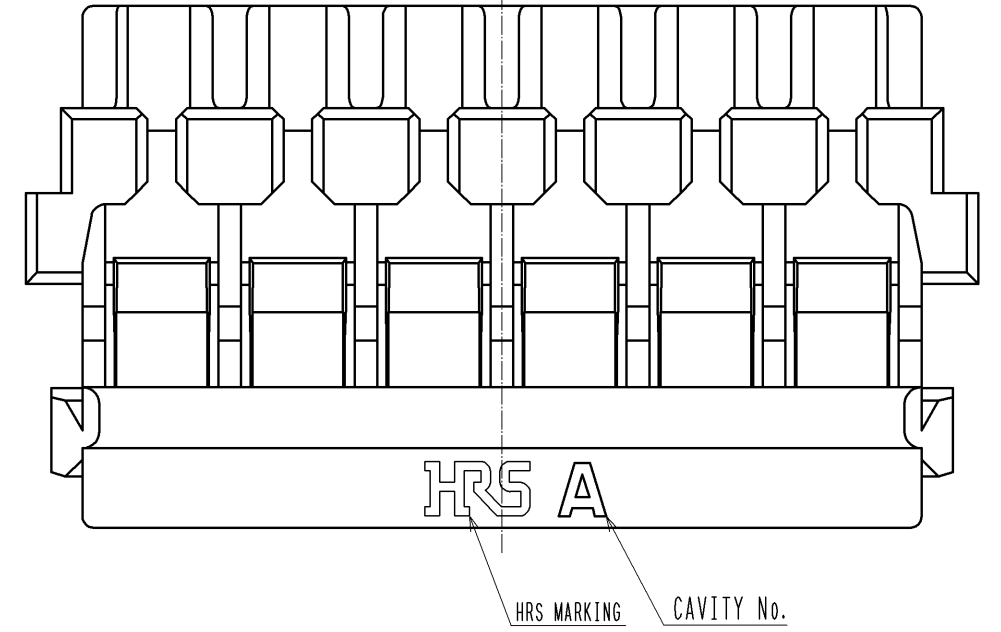
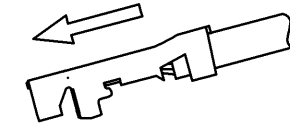
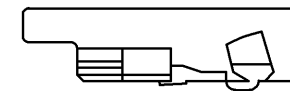
1 FIGURE OF INSERTION

HORIZONTALLY ○

DF57H-3S-1.2C



DIAGONAL ×



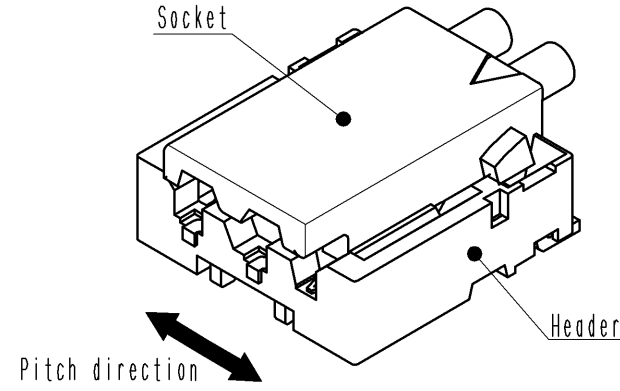
NOTE 1 AVOID ANGLED INSERTION OF CRIMP CONTACT(DF57-****SCF) TO MAINTAIN PERFORMANCE RELIABILITY.

NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS			
			1	PBT	UL94V-0. NATURAL(WHITE)			
UNITS	SCALE	COUNT	DESCRIPTION OF REVISIONS			DESIGNED	CHECKED	DATE
mm	15:1	△	APPROVED : KI. AKIYAMA	12.02.21	DRAWING NO.	EDC3-343903-01		
HIROSE ELECTRIC CO., LTD.	CHECKED : HK. UMEHARA	12.02.21	PART NO.			DF57H-6S-1.2C		
	DESIGNED : TS. KUMAZAWA	12.02.20	CODE NO.			CL666-0103-4-00		
	DRAWN : TS. KUMAZAWA	12.02.20				△ 1/2		

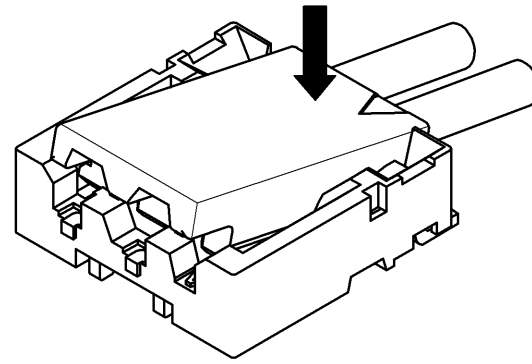
DF57 Series Mating / Unmating Operation Instruction (For DF57 series)

Mating

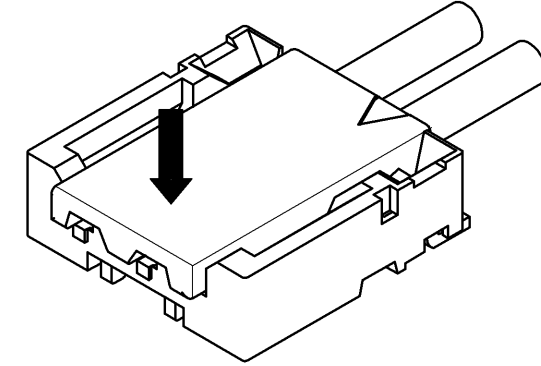
① By positioning the convexity of the socket sides to the header concavity, align the centers of the socket and the header in pitch direction.



② Slightly press the socket down at cable side to tilted angle.

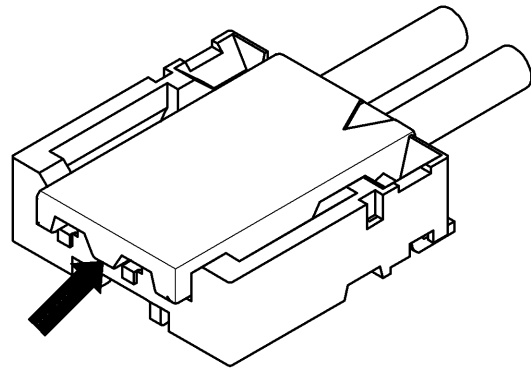


③ Press down at the lever side with stabilizing the cable side to insert. Mating completes.

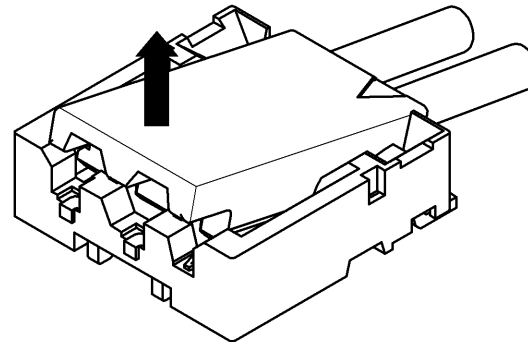


Unmating

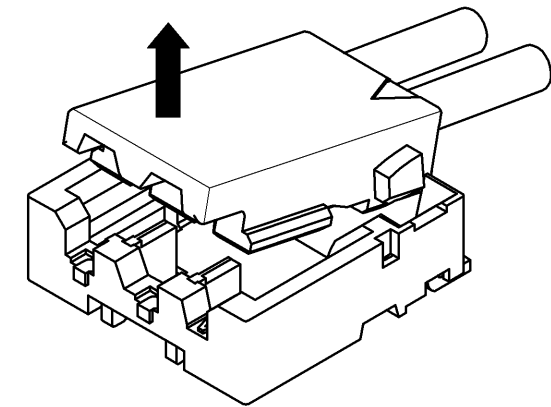
① Hook the lever with finger nail.



② Lift up to the upper direction and friction lock is released.



③ Lift up to the upper direction and positive lock is released. Removal completes.



HRS	DRAWING NO.	EDC3-343903-01	2/2
	PART NO.	DF57H-6S-1.2C	
	CODE NO.	CL666-0103-4-00	