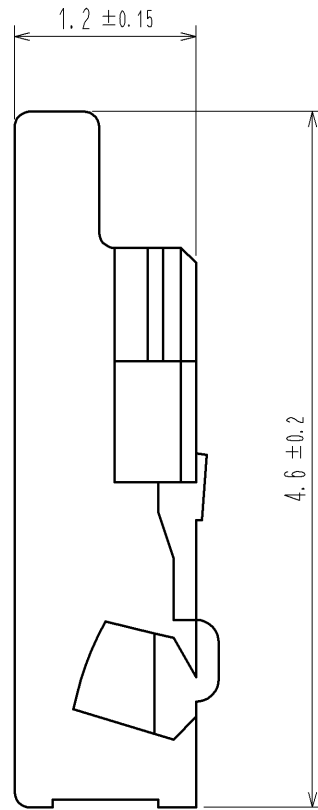
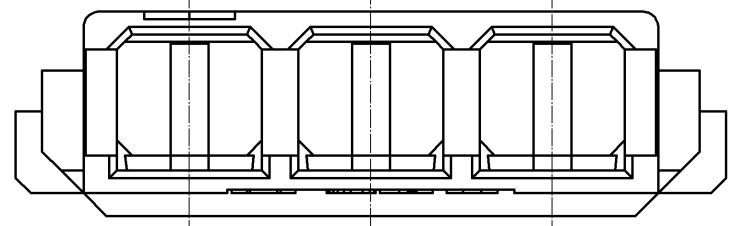
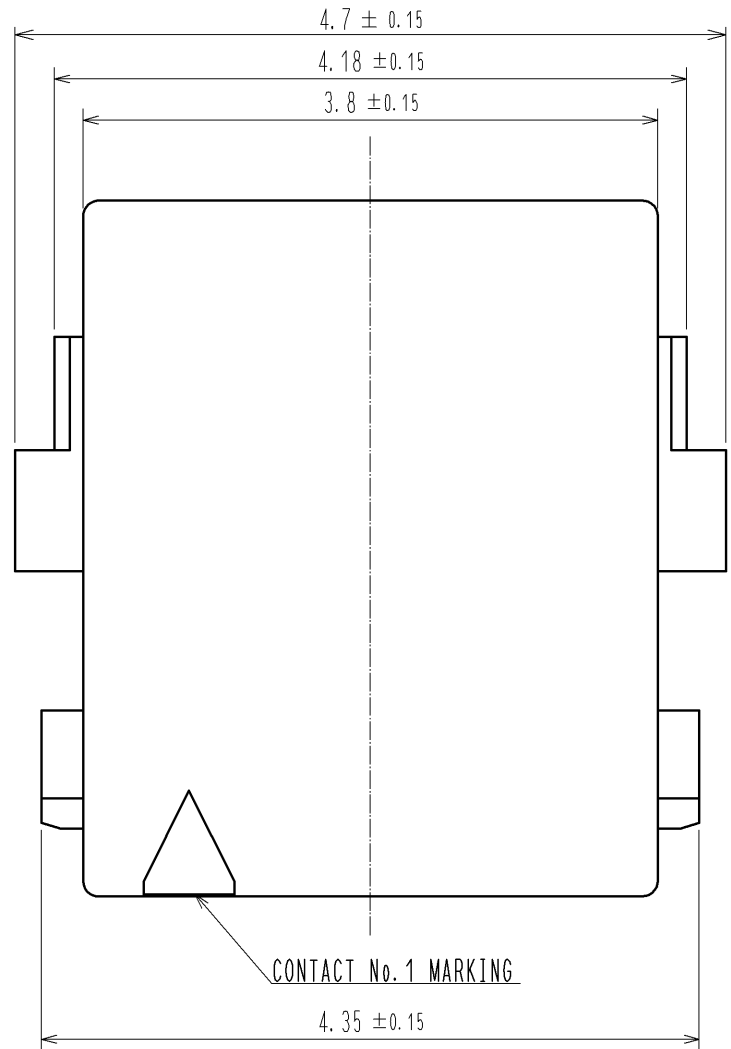
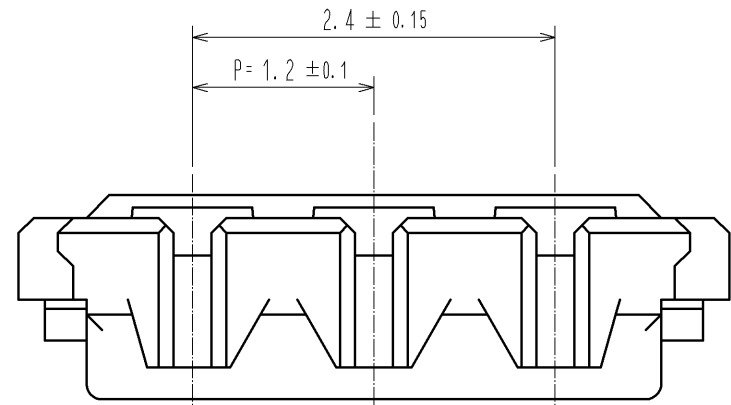


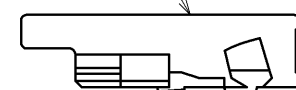
| APPLICABLE STANDARD | | | | | |
|---|--|--|---|----------------------------------|----------------|
| RATING | OPERATING TEMPERATURE RANGE | -35 °C TO +85°C (NOTE1) | STORAGE TEMPERATURE RANGE | -10 °C TO +60°C (NOTE3) | |
| | OPERATING HUMIDITY RANGE | 20% TO 80% (NOTE2) | STORAGE HUMIDITY RANGE | 40% TO 70% (NOTE3) | |
| | VOLTAGE | 50 V AC/DC | APPLICABLE CONNECTOR | DF57H-3P-1.2V(##) | |
| | CURRENT | AWG28 : 2.0A A WG30 : 1.5A AWG32 : 1.0A A WG34 : 0.8A | INSULATION DIAMETER | AWG28 TO 34: ϕ 0.32~0.63 mm | |
| | | | APPLICABLE CONTACT | DF57-2830SCF DF57-3234SCF | |
| 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 | | | | | |
| INSULATION RESISTANCE | 100 V DC. | | 100 M Ω 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 \pm 2°C , 90 TO 95 %, 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.) | | ① INSULATION RESISTANCE: 100 M Ω MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55°C \rightarrow +85°C TIME 30min \rightarrow 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 M Ω 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 |
| | | | | | |
| REMARKS | | | APPROVED | KI. AKIYAMA | 12.02.21 |
| | | | CHECKED | HK. UMEHARA | 12.02.21 |
| Unless otherwise specified, refer to JIS C 5402. | | | DESIGNED | TS. KUMAZAWA | 12.02.20 |
| | | | DRAWN | TS. KUMAZAWA | 12.02.20 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | | ELC4-332438-01 |
| | SPECIFICATION SHEET | | PART NO. | DF57H-3S-1.2C | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL666-0012-0-00 | 1/1 |



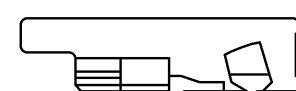
1 > FIGURE OF INSERTION

HORIZONTALLY ○

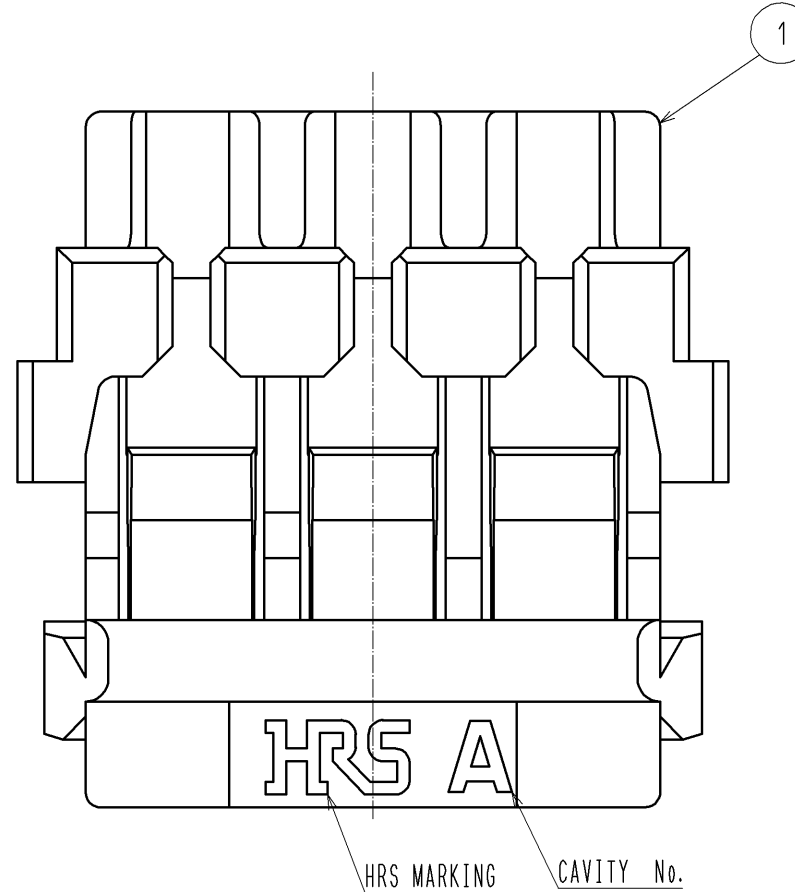
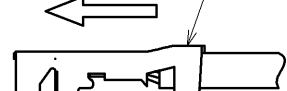
DF57H-3S-1.2C



DIAGONAL ×



DF57-***SCF



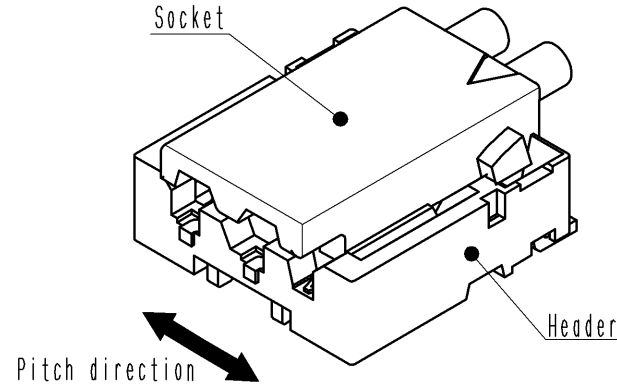
NOTE 1 > AVOID ANGLED INSERTION OF CRIMP CONTACT(DF57-***SCF) TO MAINTAIN PERFORMANCE RELIABILITY.

| NO. | MATERIAL | FINISH . REMARKS | NO. | MATERIAL | FINISH . REMARKS | | | |
|------------|----------|---------------------------|------|-------------------------|--------------------------|----------------------------|---------|------|
| 1 | PBT | | | UL94V-0. NATURAL(WHITE) | | | | |
| UNITS | mm | SCALE | 20:1 | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| HRS | | HIROSE ELECTRIC CO., LTD. | | APPROVED : KI. AKIYAMA | 12.02.21 | DRAWING NO. EDC3-332438-01 | | |
| | | | | CHECED : HK. UMEHARA | 12.02.21 | PART NO. DF57H-3S-1.2C | | |
| | | | | DESIGNED : TS. KUMAZAWA | 12.02.20 | CODE NO. CL666-0012-0-00 | | |
| | | | | DRAWN : TS. KUMAZAWA | 12.02.20 | 1/2 | | |

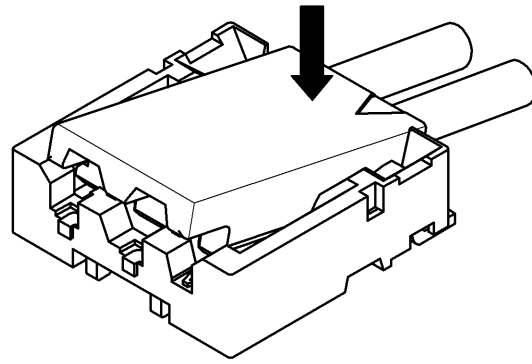
DF57 Series Mating / Unmating Operation Instruction (For DF57 series)

Mating

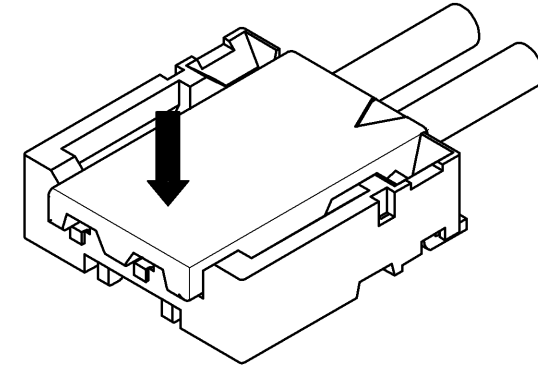
① By positioning the convexity of the socket sides to the header concavity, align the centers of the socket and the header in pitch direction.



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

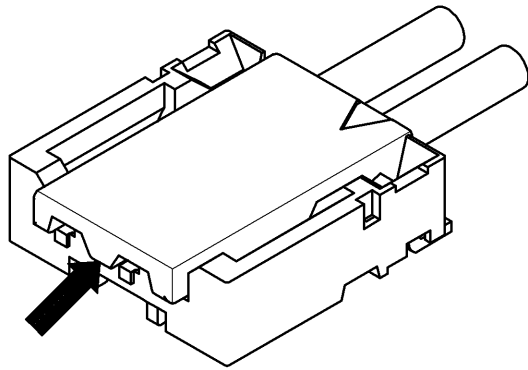


③ Press down at the lever side with stabilizing the cable side to insert. Mating completes.

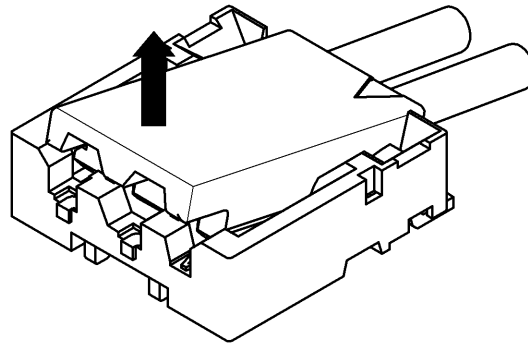


Unmating

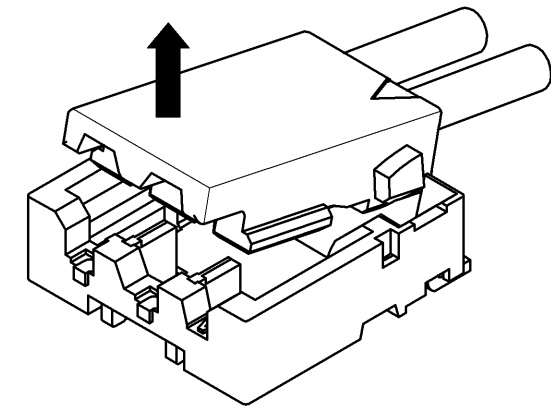
① Hook the lever with finger nail.



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. | EDC3-332438-01 | △ 2/2 |
| | PART NO. | DF57H-3S-1.2C | |
| | CODE NO. | CL666-0012-0-00 | |
| | | | |