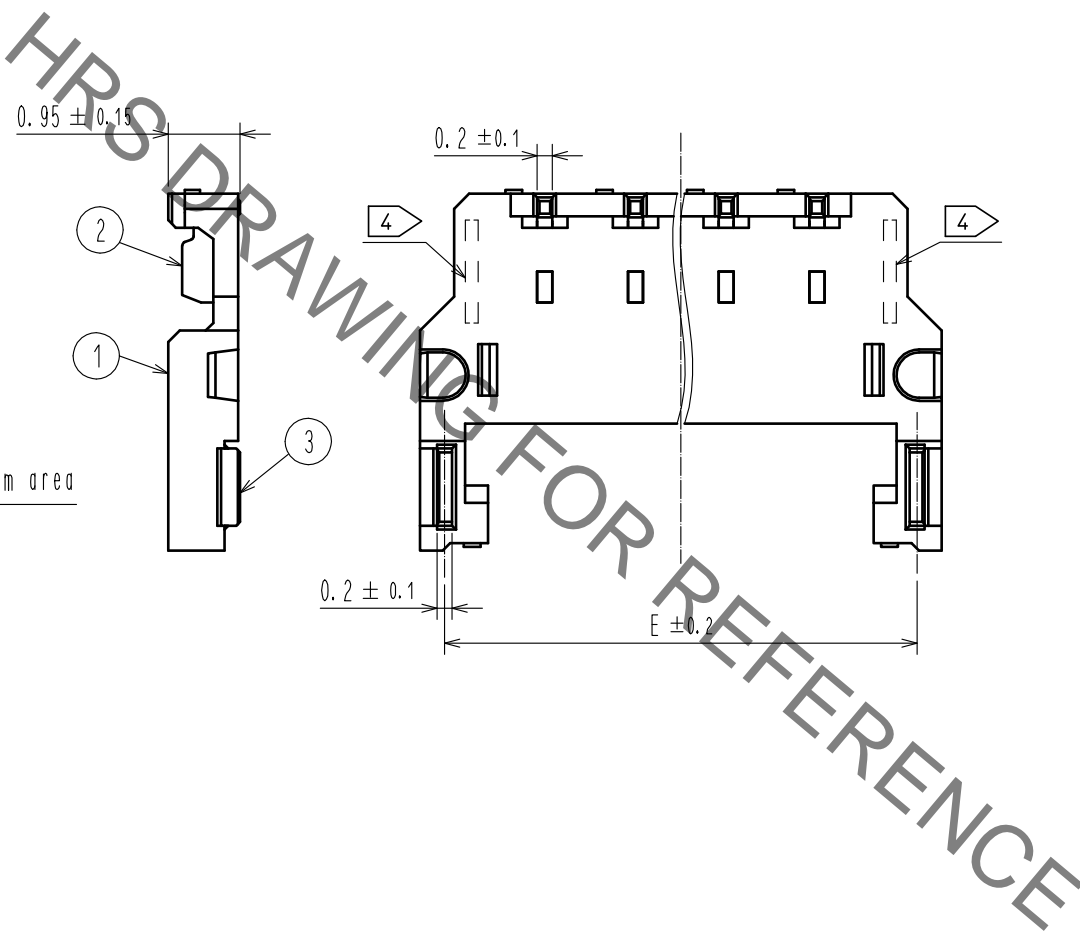
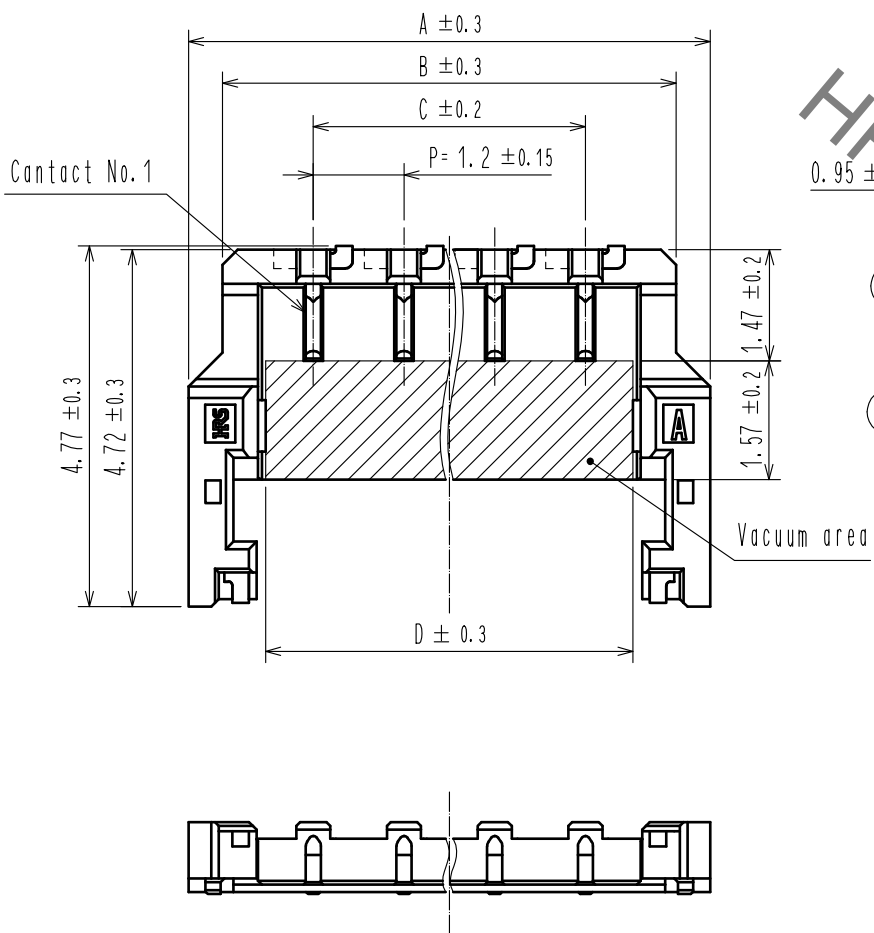
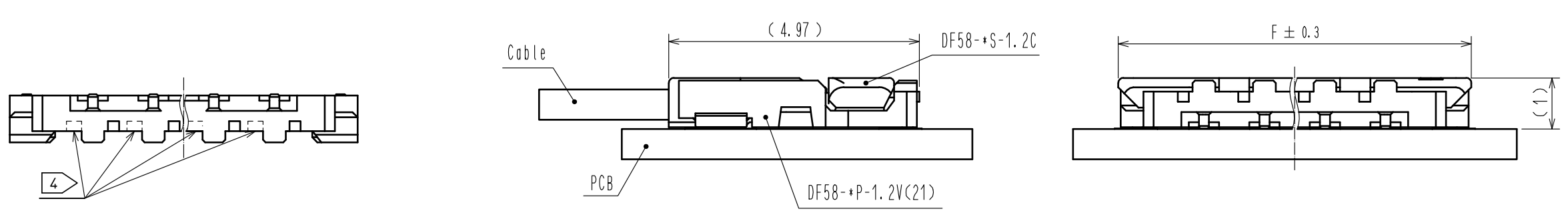
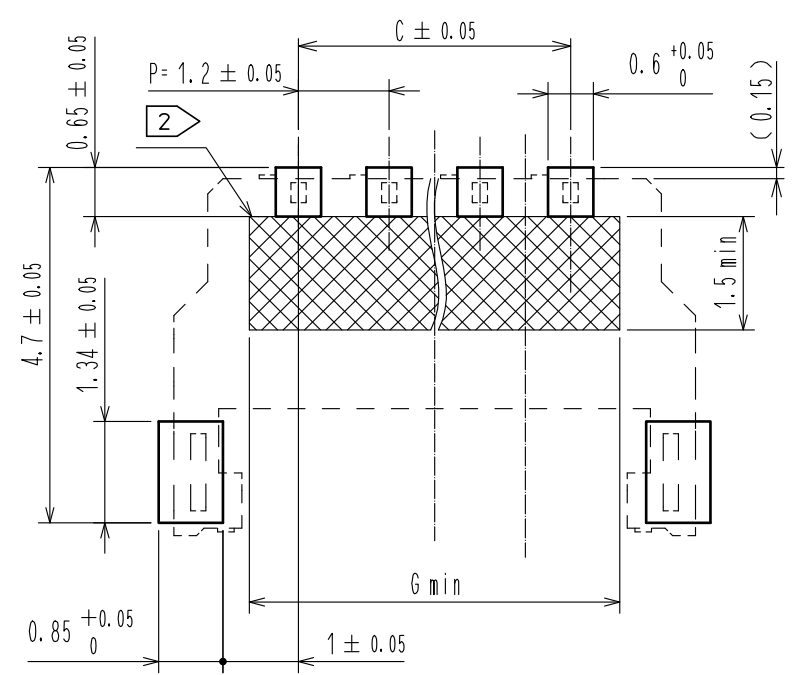


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Mating figure



Recommended PCB layout  
 Recommended metal mask (Thickness : 0.1mm)



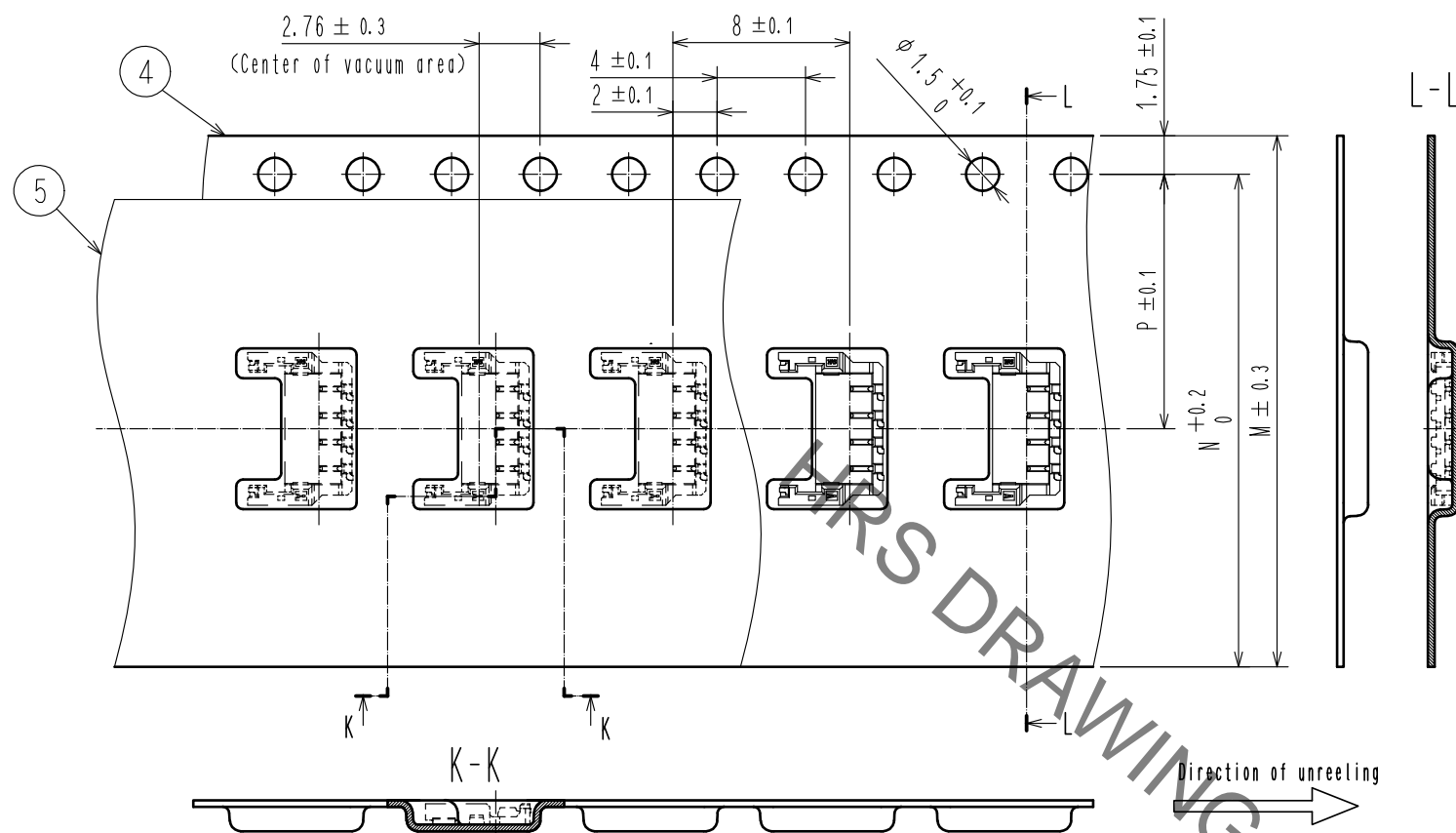
| CODE No.        | PART No.         | NUMBER OF CONTACTS | A   | B   | C   | D   | E    | F   | G   |
|-----------------|------------------|--------------------|-----|-----|-----|-----|------|-----|-----|
| CL666-1001-0-00 | DF58-2P-1.2V(21) | 2                  | 4.5 | 3.6 | 1.2 | 2.4 | 3.85 | 4.6 | 2.5 |
| CL666-1002-0-00 | DF58-3P-1.2V(21) | 3                  | 5.7 | 4.8 | 2.4 | 3.6 | 5.05 | 5.8 | 3.7 |
| CL666-1003-0-00 | DF58-4P-1.2V(21) | 4                  | 6.9 | 6.0 | 3.6 | 4.8 | 6.25 | 7.0 | 4.9 |
| CL666-1005-0-00 | DF58-6P-1.2V(21) | 6                  | 9.3 | 8.4 | 6.0 | 7.2 | 8.65 | 9.4 | 7.3 |

- Notes
- Lead co-planarity shall be 0.1mm MAX.
  - area indicated must be free of conductive traces or the conductive traces must be covered by resist film.
  - Please consult Hirose when the product is mounted to FPC.
  - Only for DF58-6P-1.2V(##), lightening hole in the indicated area.

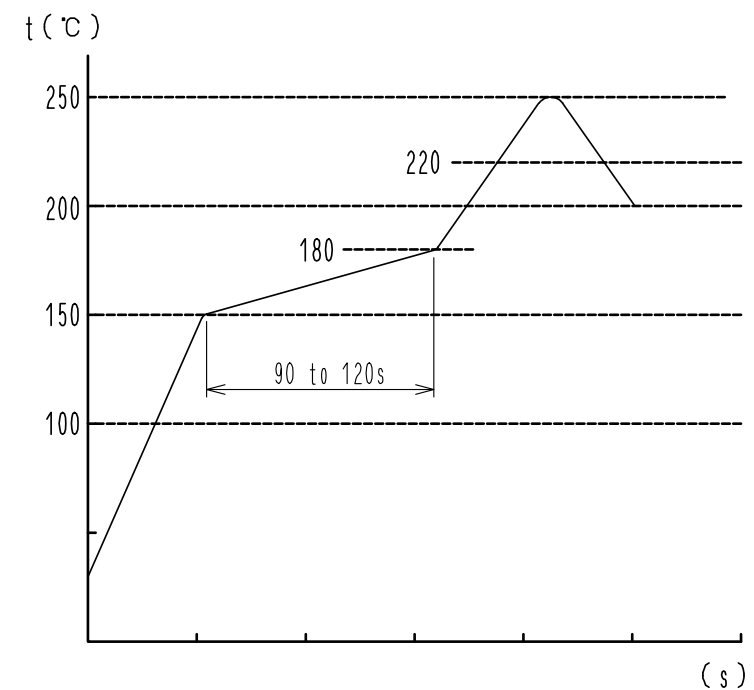
| 3                                    | Copper alloy | Surface : Tin plating 1 μm MIN<br>Under plating : Nickel plating 0.5 μm MIN |                              |                          |                               |          |
|--------------------------------------|--------------|---|------------------------------|--------------------------|-------------------------------|----------|
| 2                                    | Copper alloy | Surface : Tin plating 1 μm MIN<br>Under plating : Nickel plating 0.5 μm MIN | 6                            | PS                       | Reel . Black                  |          |
| 1                                    | LCP          | UL94V-0, Black  | 5                            | Polyester                | Clear [Cover tape]            |          |
|                                      |              |   | 4                            | PS                       | Clear [Embossed carrier tape] |          |
| NO.                                  | MATERIAL     | FINISH . REMARKS  | NO.                          | MATERIAL                 | FINISH . REMARKS              |          |
| UNITS                                |              | SCALE   | COUNT                        | DESCRIPTION OF REVISIONS |                               | DESIGNED |
| mm                                   |              | 10 : 1  |                              |                          |                               | CHECKED  |
|                                      |              |   |                              | APPROVED : HS. OKAWA     | 16.06.22                      | DATE     |
|                                      |              |   |                              | CHECKED : YN. TAKASHITA  | 16.06.21                      |          |
|                                      |              |   |                              | DESIGNED : TH. YOSHIZAWA | 16.06.21                      |          |
|                                      |              |   |                              | DRAWN : TH. YOSHIZAWA    | 16.06.21                      |          |
| <b>HRS</b> HIROSE ELECTRIC CO., LTD. |              |   | DRAWING NO. EDC-371175-00-00 |                          |                               |          |
|                                      |              |   | PART NO. DF58-*P-1.2V(21)    |                          |                               |          |
|                                      |              |   | CODE NO. CL666-              |                          |                               |          |
|                                      |              |   |                              |                          | 1/3                           |          |

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### Drawing for packing (FREE)



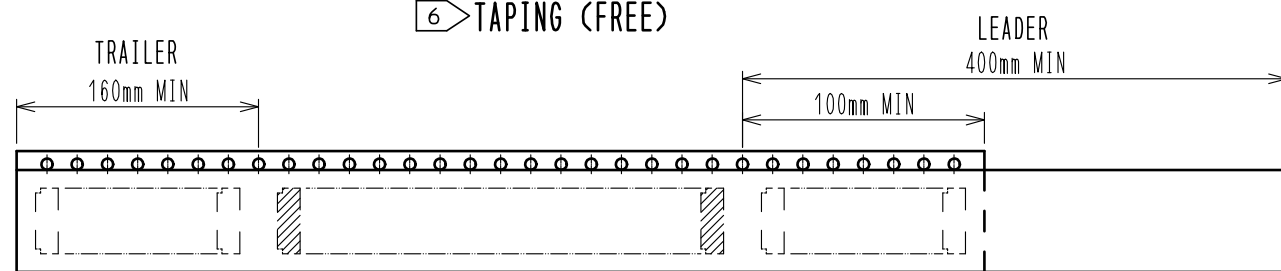
### Reflow temperature profile using lead-free solder paste (Reference)



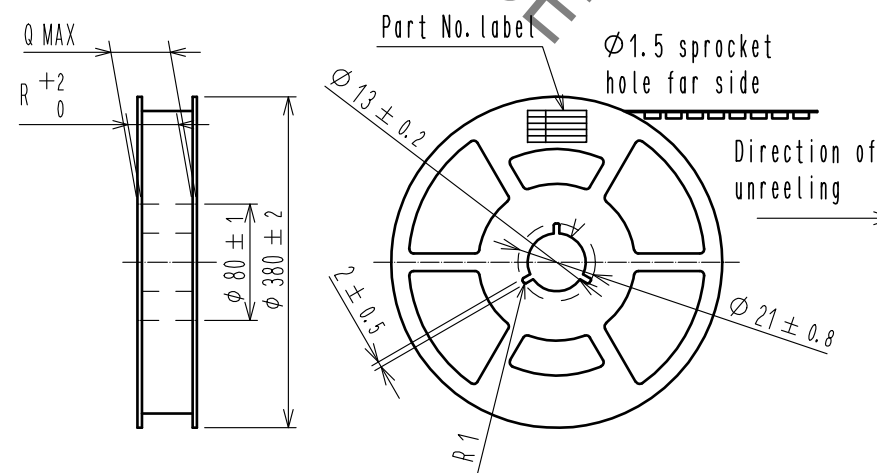
Number of reflow cycles 2 cycles max.  
The temperature is measured in the terminal lead part.

Additional factors, such as solder paste type, PCB size and other mounted components could affect the profile, therefore, a thorough evaluation of mounting condition is required prior to production. Temperature is measured at contact lead.

### 6 TAPING (FREE)



### Style and dimension of reel (Free)



### Detail of part No. label

|      |                  |
|------|------------------|
| 生産月日 | 年 月 日            |
| 図 番  | CL666-****-21    |
| 品 名  | DF58-*P-1.2V(21) |
| 納入数量 | 6000 KO          |
| 納入者  | ヒロセ電機(株)         |

Supplier  
Quantity  
Part No.  
Code No.  
Date of manufactured

| CODE No.        | PART No.         | NUMBER OF CONTACTS | M    | N     | P    | Q    | R    |
|-----------------|------------------|--------------------|------|-------|------|------|------|
| CL666-1001-0-00 | DF58-2P-1.2V(21) | 2                  | 16.0 | 14.25 | 7.5  | 22.4 | 16.4 |
| CL666-1002-0-00 | DF58-3P-1.2V(21) | 3                  | 16.0 | 14.25 | 7.5  | 22.4 | 16.4 |
| CL666-1003-0-00 | DF58-4P-1.2V(21) | 4                  | 24.0 | 22.25 | 11.5 | 30.4 | 24.4 |
| CL666-1005-0-00 | DF58-6P-1.2V(21) | 6                  | 24.0 | 22.25 | 11.5 | 30.4 | 24.4 |

NOTES 5 . 1 reel : 6000 connectors  
6 Reel to JIS C 0806. (Packaging of components for automatic handling)  
7 . The dimensions in parentheses are for reference.

**HRS**

|             |                  |
|-------------|------------------|
| DRAWING NO. | EDC-371175-00-00 |
| PART NO.    | DF58-*P-1.2V(21) |
| CODE NO.    | CL666-           |

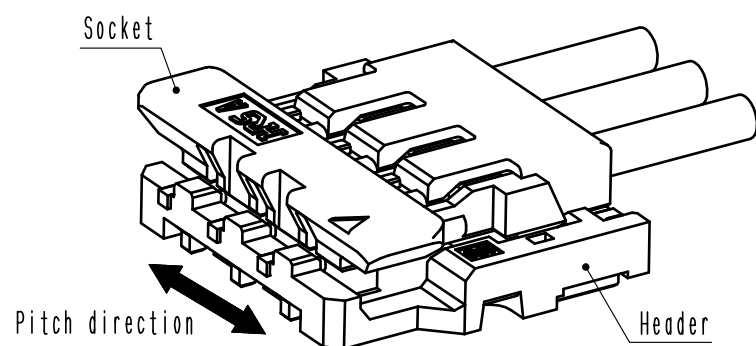
2/3

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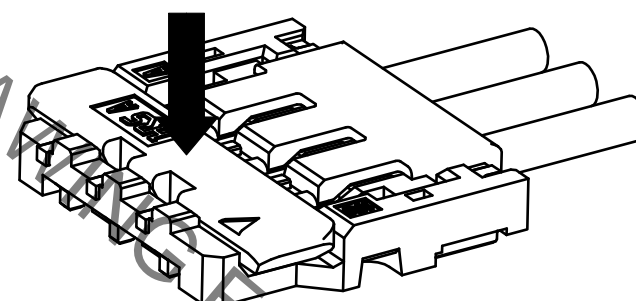
# DF58 Series Mating / Unmating Operation Instruction

## Mating

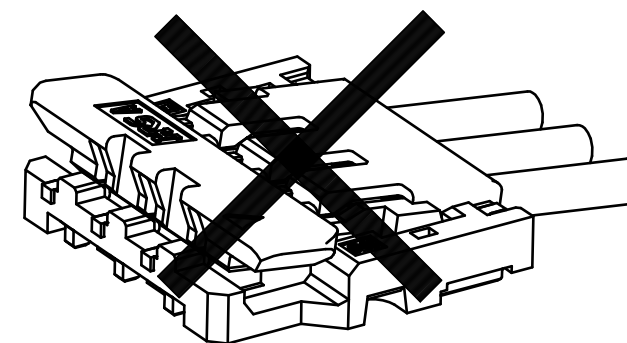
① By positioning the convexity of the socket sides to the header concavity, align the centers of the socket and the header in pitch direction.



② Slightly press the socket down at the center of the socket.

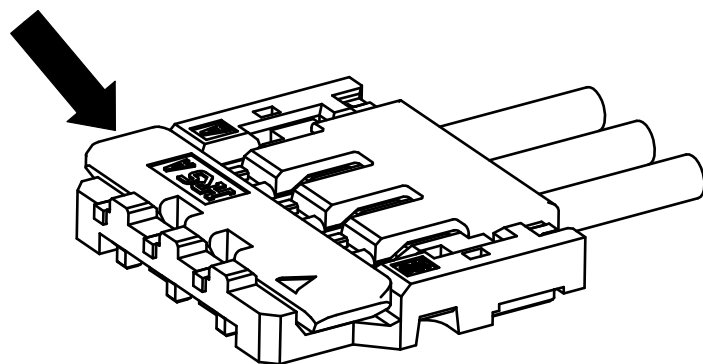


③ Press down at the lever side with stabilizing the cable side to insert. Mating completes.

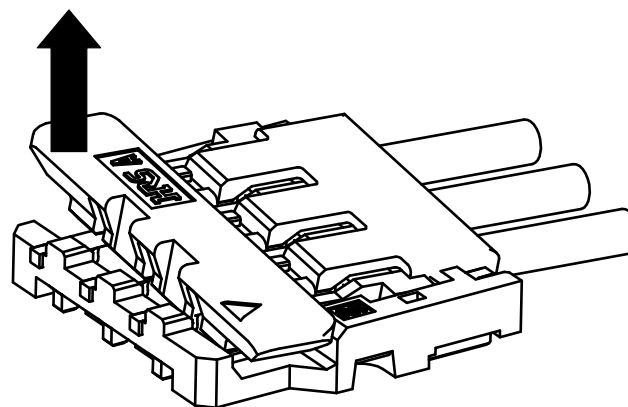


## Unmating

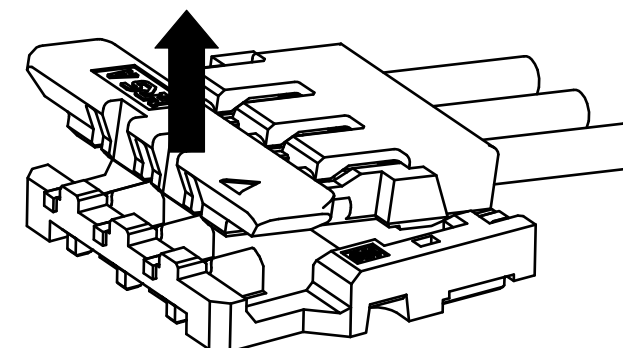
① Hook the lever with finger nail.  
(Possible with one side)



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



③ Lift it up to the upper direction more, and removal completes.



HRS DRAWING FOR REFERENCE

|            |             |                  |
|------------|-------------|------------------|
| <b>HRS</b> | DRAWING NO. | EDC-371175-00-00 |
|            | PART NO.    | DF58-*P-1.2V(21) |
|            | CODE NO.    | CL666-           |
|            |             | 3/3              |