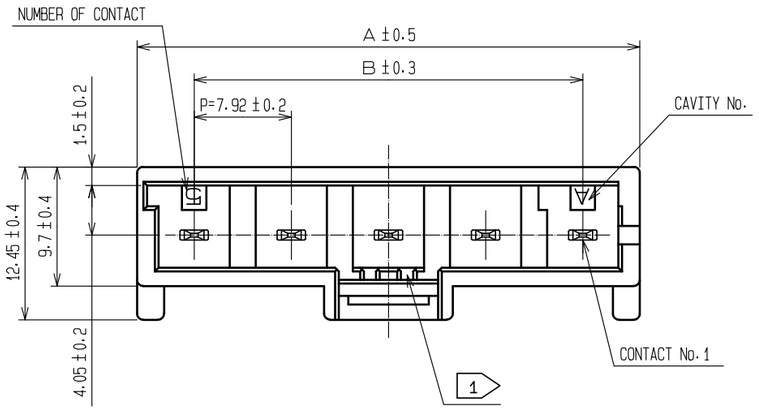
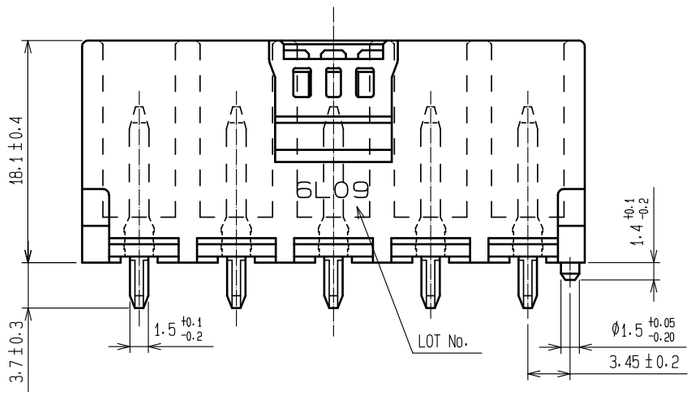
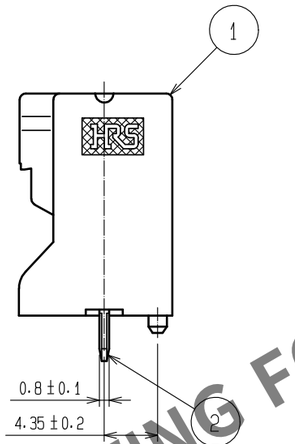
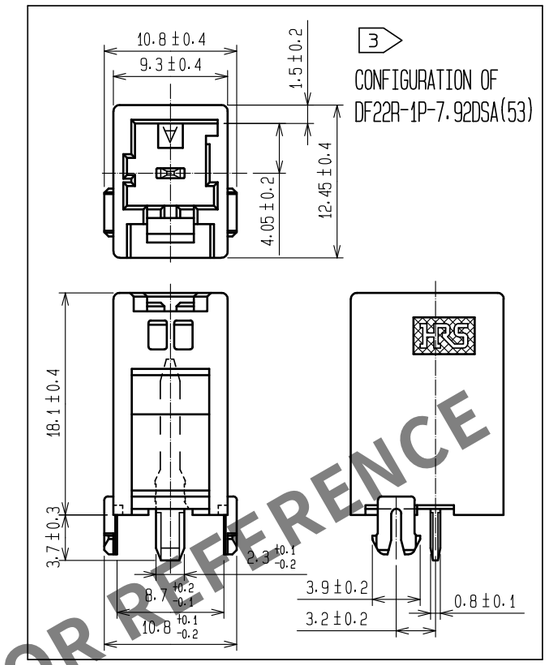
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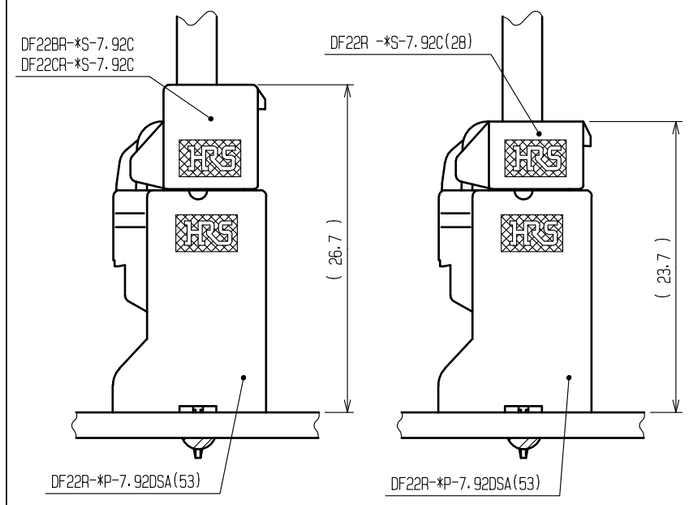


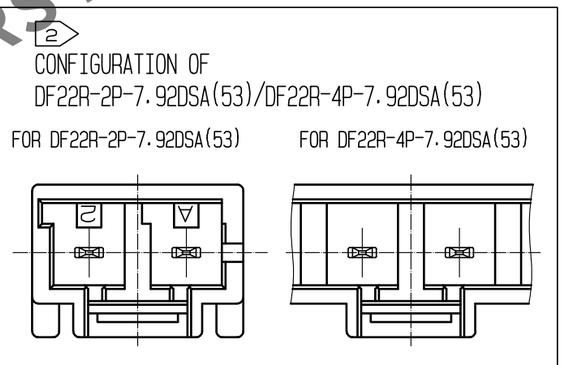



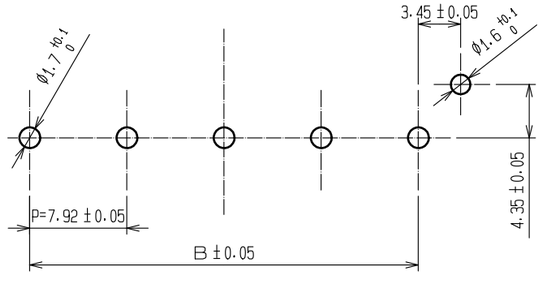

## APPLICATION DIAGRAM



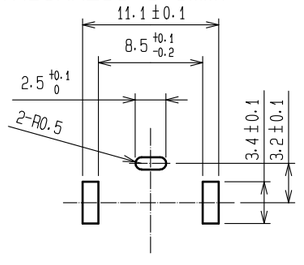



## RECOMMENDED PCB LAYOUT (PCB THICKNESS:1.6mm)




## RECOMMENDED PCB LAYOUT FOR 1POS (PCB THICKNESS:1.6mm)




| PART No. | CODE No. | NUMBER OF CONTACT | A | B |
|---|---|---|---|---|
| DF22R-1P-7.92DSA(53) | CL680-1036-0-53 | 1 | — | — |
| DF22R-2P-7.92DSA(53) | CL680-1037-3-53 | 2 | 17.22 | 7.92 |
| DF22R-3P-7.92DSA(53) | CL680-1038-6-53 | 3 | 25.14 | 15.84 |
| DF22R-4P-7.92DSA(53) | CL680-1039-9-53 | 4 | 33.06 | 23.76 |
| DF22R-5P-7.92DSA(53) | CL680-1040-8-53 | 5 | 40.98 | 31.68 |

NOTE 1:UL(FILE NO.E52653)
C-UL(FILE NO.E52653)
TUV(CERTIFICATE NO.R9950703)AUTHORIZATION ARTICLE.

2 TWO AND FOUR CONTACTS ARE DIFFERENT SHAPE AS SHOWN.
3 CONFIGURATION OF ONE CONTACTS.
4 :PER PACK:100PIECES

| NO. | MATERIAL | FINISH, REMARKS |
|---|---|---|
| 1 | Polyamide | Black, UL94V-0 ⚠1 |
| 2 | Copper alloy | Contact area:Gold plating 0.2μm min<br>Lead area:Tin plating 1μm min<br>Under plating:Nickel platig 1μm min<br>Other:Nickel plating 1μm min |

| UNITS | SCALE | | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|---|---|---|---|---|---|---|---|
| mm | 2 : 1 | ⚠1 | 1 | DIS-H-00011589 | TS.KUMAZAWA | SZ.ONO | 20211104 |

HIROSE ELECTRIC CO., LTD.

| | | |
|---|---|---|
| APPROVED | HS.OKAWA | 20200309 |
| CHECKED | SZ.ONO | 20200309 |
| DESIGNED | SN.MIWA | 20200309 |
| DRAWN | DS.HIROWATARI | 20200306 |

| | |
|---|---|
| DRAWING NO. | EDC-164636-53-00 |
| PART NO. | DF22R-*P-7.92DSA(53) |
| CODE NO. | CL680- ⚠1 1/2 |

HRS DRAWING FOR REFERENCE

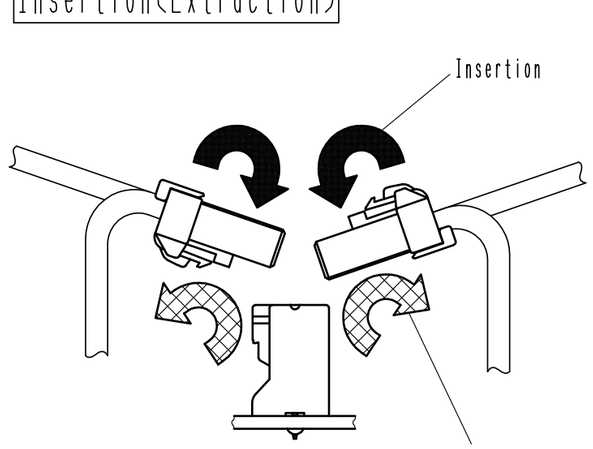
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# Precautions

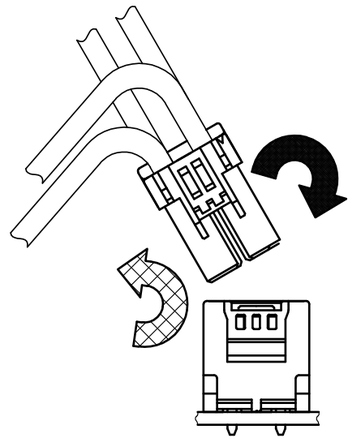
## Notification for Insertion Extraction

1) Please insert(extract) the crimping socket straight to the mating connector.
Insertion(extraction) at tilted angles applies load concentration to the connetor end and may cause deformation (at connection area, socket and header case, etc). There is firing risk using this kind of defomed connector.

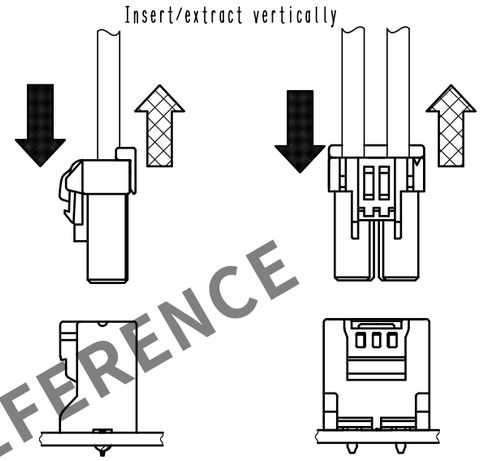
Insertion(Extraction)




NG



NG




OK

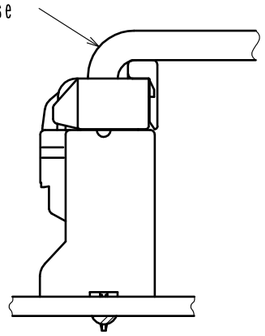
2) When it is hard to extract, please lightly insert the connector beforehand and then pull it with releasing the lock.
Forced extraction has a risk of connector breakage.

HRS DRAWING FOR REFERENCE

## Notification of wiring

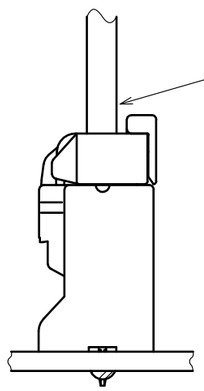
1) When using a thick cable, short cable length and bending close to the connector end, these load concentration may couse deformation.
Please note that there is firing risk using deformed connector.
When installing, please refrain from stress concentration such as cable bending close to the connector end or cable twisting.

Stress concentration:
Cable bending close
to connector



NG

No stress concentration:
No cable bending close
to connector



OK

2) Since this product uses thick wires, a larger load is applied to the connector when inserting/extracting or routing the wires.
Please use a retainer to reduce the load on the connector.

| | |
|---|---|
| DRAWING NO. | EDC-164636-53-00 |
| PART NO. | DF22R-*P-7.92DSA(53) |
| CODE NO. | CL680- |