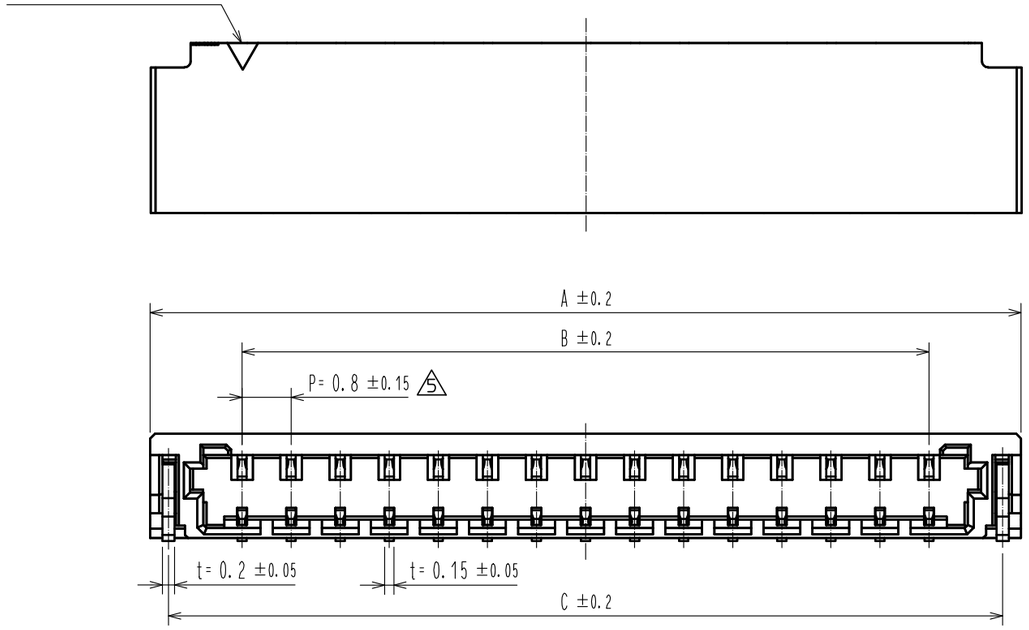
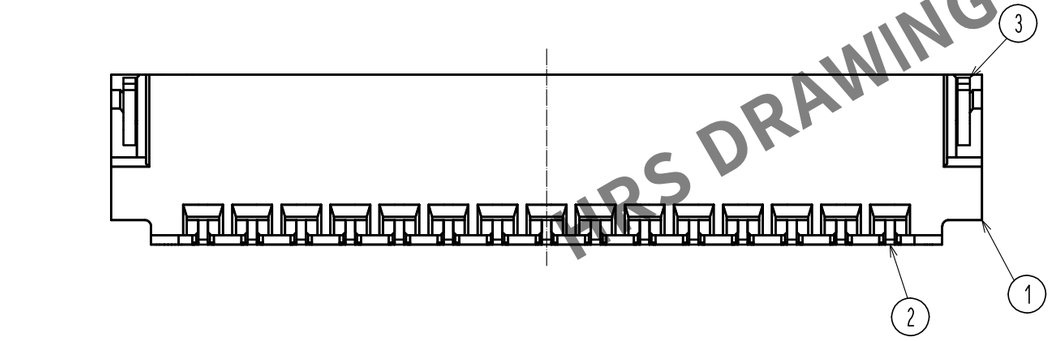
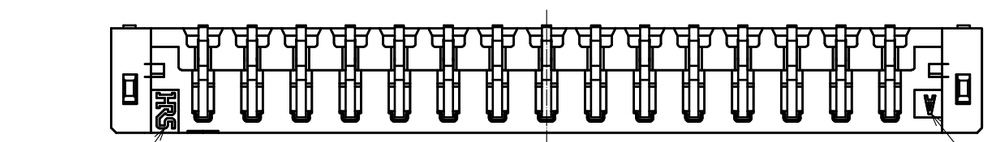
May.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

HRS DRAWING FOR REFERENCE

Contact No.1 marking



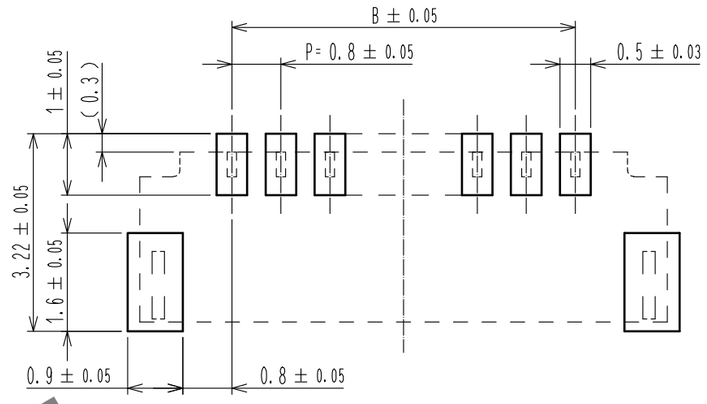



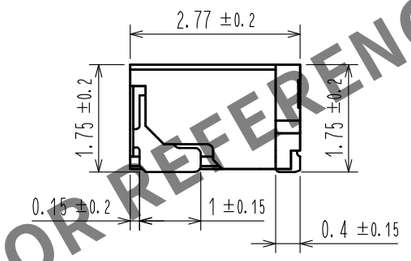




HRS marking

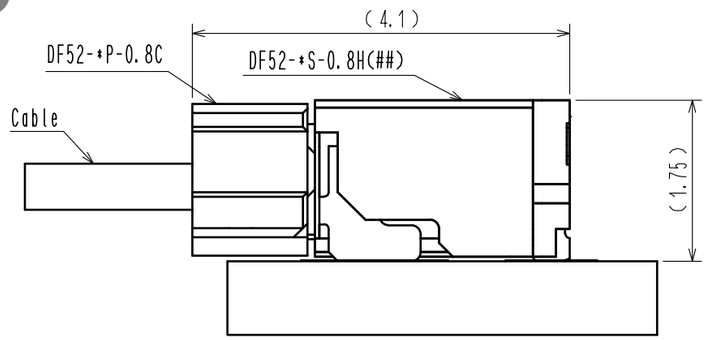
Cavity No.

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




Mating Figure (Free)




| Part No. | Code No. | A | B | C |
|---|---|---|---|---|
| DF52-2S-0.8H(21) | CL0668-0004-5-21 | 3.8 | 0.8 | 3.2 |
| DF52-3S-0.8H(21) | CL0668-0022-7-21 | 4.6 | 1.6 | 4.0 |
| DF52-4S-0.8H(21) | CL0668-0005-8-21 | 5.4 | 2.4 | 4.8 |
| DF52-5S-0.8H(21) | CL0668-0023-0-21 | 6.2 | 3.2 | 5.6 |
| DF52-6S-0.8H(21) | CL0668-0006-0-21 | 7.0 | 4.0 | 6.4 |
| DF52-8S-0.8H(21) | CL0668-0007-3-21 | 8.6 | 5.6 | 8.0 |
| DF52-10S-0.8H(21) | CL0668-0008-6-21 | 10.2 | 7.2 | 9.6 |
| DF52-12S-0.8H(21) | CL0668-0009-9-21 | 11.8 | 8.8 | 11.2 |
| DF52-14S-0.8H(21) | CL0668-0024-2-21 | 13.4 | 10.4 | 12.8 |
| DF52-15S-0.8H(21) | CL0668-0010-8-21 | 14.2 | 11.2 | 13.6 |
| DF52-16S-0.8H(21) | CL0668-0025-5-21 | 15.0 | 12.0 | 14.4 |
| DF52-17S-0.8H(21) | CL0668-0001-7-21 | 15.8 | 12.8 | 15.2 |
| DF52-20S-0.8H(21) | CL0668-0011-0-21 | 18.2 | 15.2 | 17.6 |

Note 1. Lead co-planarity shall be 0.1mm MAX.
2. Please consult HIROSE when the product is mounted to FPC.

| NO. | MATERIAL | FINISH . REMARKS | NO. | MATERIAL | FINISH . REMARKS |
|---|---|---|---|---|---|
| 3 | Brass 5 | Surface:tin plating 1μmMIN | 6 | PS | Black(Reel) |
| 2 | Copper alloy | Surface:tin plating 1μmMIN | 5 | Polyester | Clear(Cover tape), ANTI-STATIC |
| 1 | Polyamide | Black, UL94V-0 | 4 | PS | Clear(Embossed carier tape), ANTI-STATIC |

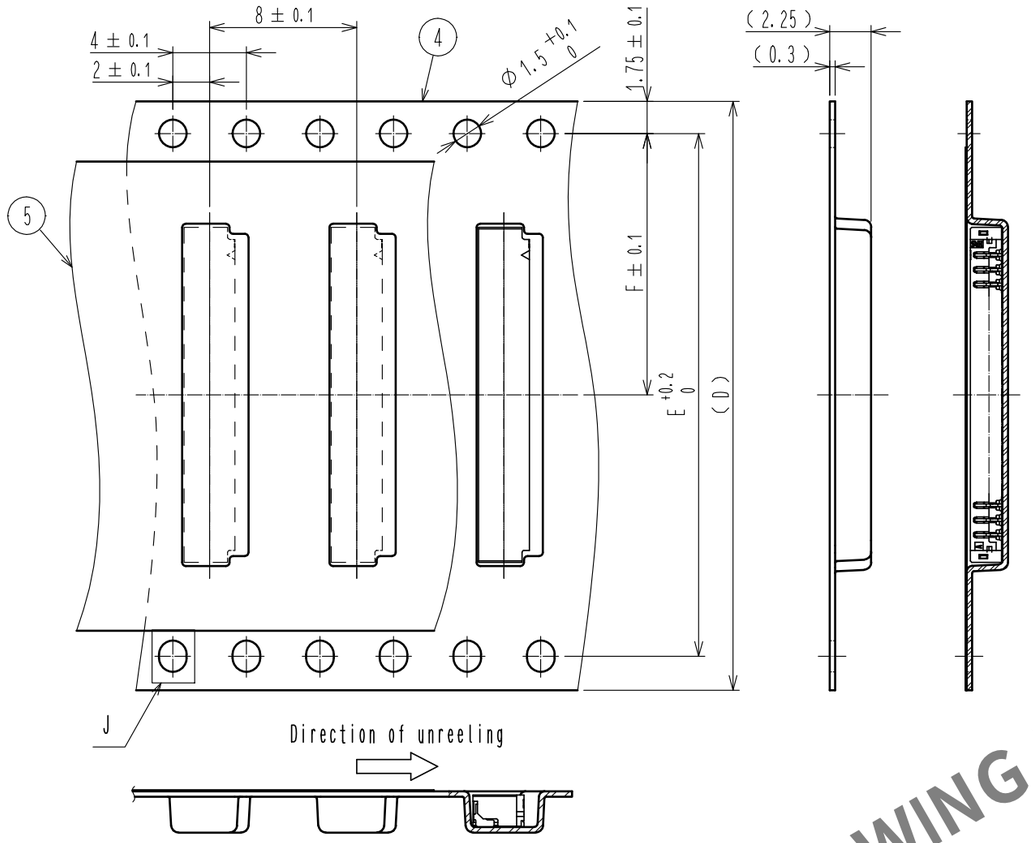
| UNITS | SCALE | | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|---|---|---|---|---|---|---|---|
| mm | 10:1 | 5 | 2 | DIS-H-00003668 | HK. HAYASHI | TS. FUKUSHIMA | 18.03.22 |

HIROSE ELECTRIC CO., LTD.

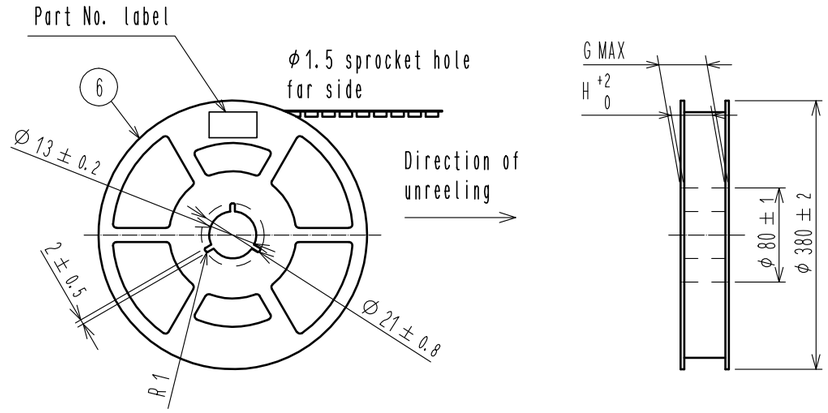
| | | | |
|---|---|---|---|
| APPROVED | KI. AKIYAMA | 14.06.27 | DRAWING NO. EDC3-356517-01 |
| CHECED | HK. UMEHARA | 14.06.27 | PART NO. DF52-*S-0.8H(21) |
| DESIGNED | TH. YOSHIZAWA | 14.06.26 | CODE NO. CL668- 5 1/2 |
| DRAWN | TH. YOSHIZAWA | 14.06.26 | |

May.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

## Drawing for packing (Free)




## Style and dimension of reel (Free)

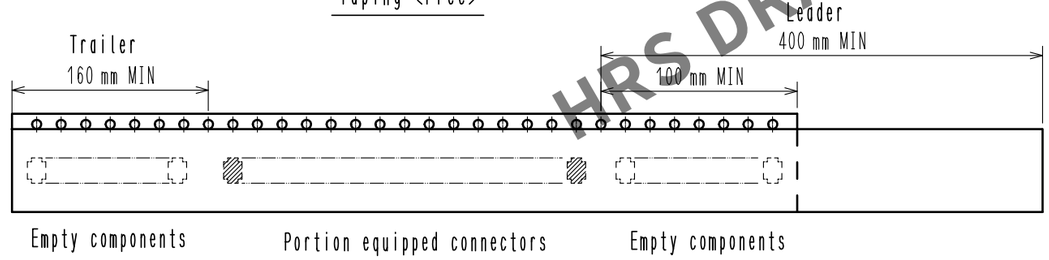



### Detail of part No. label

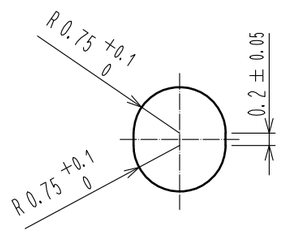
| | |
|---|---|
| Lot No. | 170 7010 |
| CL Code | CL668-0001-7-21 |
| 品 名 (Part Number) | DF52-17S-0.8H(21) |
| 納入数量 (Q'ty) | 5000 KO |
| ヒロセ電機(株) | |

7

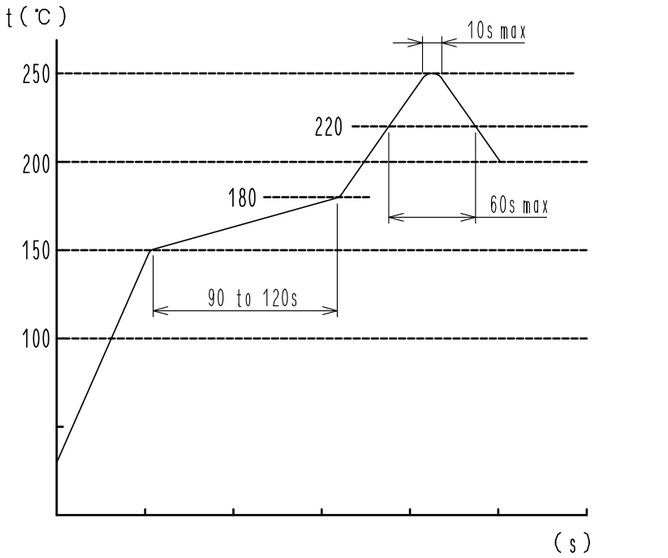
## Taping (Free)




5 J(10:1)



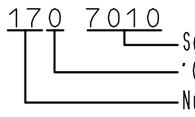

## Reflow temperature profile using lead-free solder paste (Reference)




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.

Note 3. 1reel:5000 connectors.
4. ( )is reference dimension.
5 When the tape width is 32mm, sprocket holes shall be set on both side of reel as shown on this drawing.
6 Refer to JIS C 0806.(Packaging of components for automationg handling)
7 Each meaning of Lot No. are shown below.




| Part No. | Code No. | D | E | F | G | H |
|---|---|---|---|---|---|---|
| DF52-2S-0.8H(21) | CL0668-0004-5-21 | 16.0 | | 7.5 | 22.4 | 16.4 |
| DF52-3S-0.8H(21) | CL0668-0022-7-21 | 16.0 | | 7.5 | 22.4 | 16.4 |
| DF52-4S-0.8H(21) | CL0668-0005-8-21 | 16.0 | | 7.5 | 22.4 | 16.4 |
| DF52-5S-0.8H(21) | CL0668-0023-0-21 | 16.0 | | 7.5 | 22.4 | 16.4 |
| DF52-6S-0.8H(21) | CL0668-0006-0-21 | 16.0 | | 7.5 | 22.4 | 16.4 |
| DF52-8S-0.8H(21) | CL0668-0007-3-21 | 24.0 | | 11.5 | 30.4 | 24.4 |
| DF52-10S-0.8H(21) | CL0668-0008-6-21 | 24.0 | | 11.5 | 30.4 | 24.4 |
| DF52-12S-0.8H(21) | CL0668-0009-9-21 | 24.0 | | 11.5 | 30.4 | 24.4 |
| DF52-14S-0.8H(21) | CL0668-0024-2-21 | 24.0 | | 11.5 | 30.4 | 24.4 |
| DF52-15S-0.8H(21) | CL0668-0010-8-21 | 24.0 | | 11.5 | 30.4 | 24.4 |
| DF52-16S-0.8H(21) | CL0668-0025-5-21 | 24.0 | | 11.5 | 30.4 | 24.4 |
| DF52-17S-0.8H(21) | CL0668-0001-7-21 | 24.0 | | 11.5 | 30.4 | 24.4 |
| DF52-20S-0.8H(21) | CL0668-0011-0-21 | 32.0 | 28.4 | 14.2 | 38.4 | 32.4 |

HRS DRAWING FOR REFERENCE

| | | |
|---|---|---|
| HRS | DRAWING NO. | EDC3-356517-01 |
| | PART NO. | DF52-*S-0.8H(21) |
| | CODE NO. | CL668- 5 2/2 |