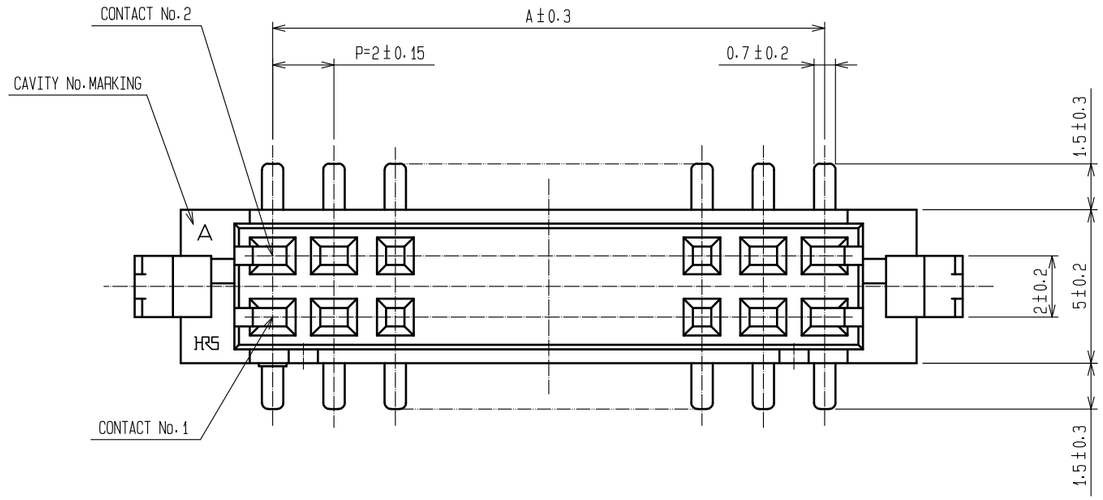
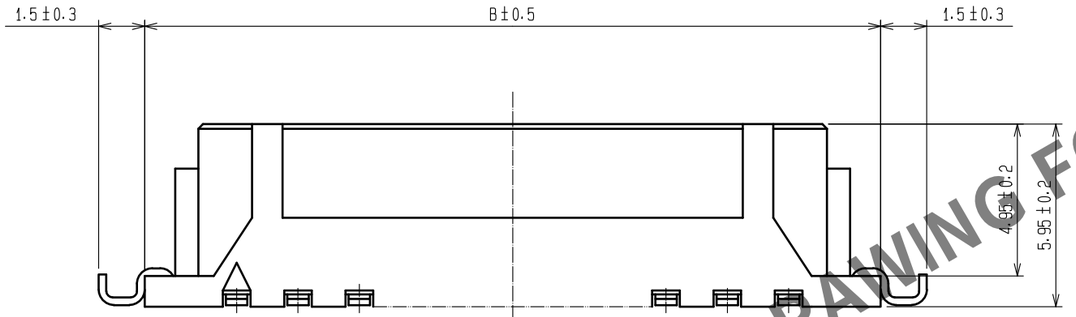
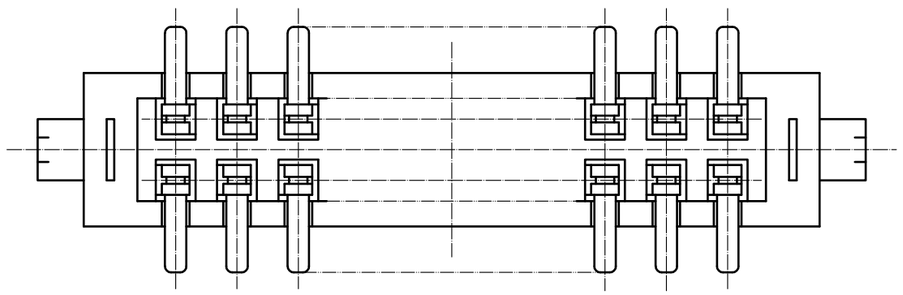
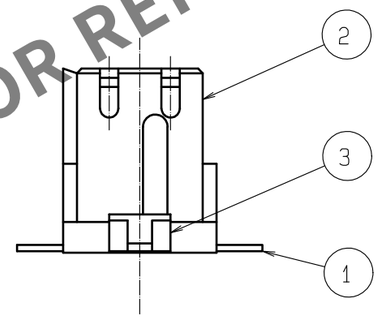
Apr.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.



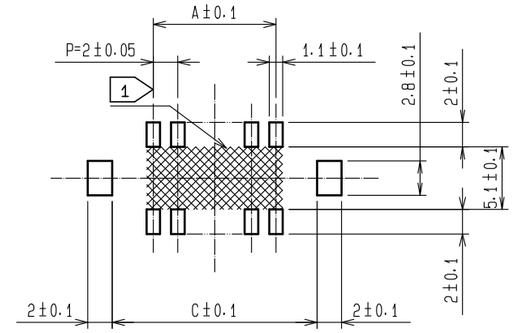






| CODE No. | PART No. | NUMBER OF CONTACT | A | B | C |
|---|---|---|---|---|---|
| CL0543-2063-0-52 | DF11CZ-4DS-2V(52) | 4 | 2.0 | 8.5 | 8.7 |
| CL0543-2064-3-52 | DF11CZ-6DS-2V(52) | 6 | 4.0 | 10.5 | 10.7 |
| CL0543-2065-6-52 | DF11CZ-8DS-2V(52) | 8 | 6.0 | 12.5 | 12.7 |
| CL0543-2066-9-52 | DF11CZ-10DS-2V(52) | 10 | 8.0 | 14.5 | 14.7 |
| CL0543-2067-1-52 | DF11CZ-12DS-2V(52) | 12 | 10.0 | 16.5 | 16.7 |
| CL0543-2068-4-52 | DF11CZ-14DS-2V(52) | 14 | 12.0 | 18.5 | 18.7 |
| CL0543-2069-7-52 | DF11CZ-16DS-2V(52) | 16 | 14.0 | 20.5 | 20.7 |
| CL0543-2070-6-52 | DF11CZ-18DS-2V(52) | 18 | 16.0 | 22.5 | 22.7 |
| CL0543-2071-9-52 | DF11CZ-20DS-2V(52) | 20 | 18.0 | 24.5 | 24.7 |
| CL0543-2072-1-52 | DF11CZ-22DS-2V(52) | 22 | 20.0 | 26.5 | 26.7 |
| CL0543-2073-4-52 | DF11CZ-24DS-2V(52) | 24 | 22.0 | 28.5 | 28.7 |
| CL0543-2074-7-52 | DF11CZ-26DS-2V(52) | 26 | 24.0 | 30.5 | 30.7 |
| CL0543-2075-0-52 | DF11CZ-28DS-2V(52) | 28 | 26.0 | 32.5 | 32.7 |
| CL0543-2076-2-52 | DF11CZ-30DS-2V(52) | 30 | 28.0 | 34.5 | 34.7 |
| CL0543-2078-8-52 | DF11CZ-40DS-2V(52) | 40 | 38.0 | 44.5 | 44.7 |

3 RECOMMENDED PATTERN(2:1)




NOTES 1 : IF THERE IS PATTERN ON ▨ PART, THERE IS A POSSIBILITY THAT IT WILL MAKE CONTACT WITH THE LEADS.
2 : LEAD CO-PLANARITY INCLUDE REINFORCED METAL FITTINGS SHALL BE 0.1mm MAX.
3 : RECOMMENDED METAL MASK THICKNESS:0.15-0.2mm
OPEN AREA RETIO:100%

| NO. | MATERIAL | FINISH . REMARKS |
|---|---|---|
| 2 | POLYAMIDE | UL94V-0, NATURAL(BEIGE) |
| 1 | PHOSPHOR BRONZE | CONTACT AREA :GOLD PLATED 0.2μm min.<br>LEAD AREA : TIN PLATED 2μm min.<br>UNDER PLATING: NICKEL PLATED 1μm min. |

| NO. | MATERIAL | FINISH . REMARKS |
|---|---|---|
| 7 | PS 1 | REEL |
| 6 | POLYAMIDE | BROWN(HEAT-RESISTANCE TAPE) |
| 5 | POLYESTER | CLEAR(COVER TAPE) |
| 4 | PS 1 | CLEAR(EMBOSSED CARRIER TAPE) |
| 3 | BRASS | TIN PLATED 1μm min. |

| UNITS | SCALE | | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|---|---|---|---|---|---|---|---|
| mm | 5 : 1 | 1 | 5 | DIS-H-00006386 | TS. KUMAZAWA | SZ. ONO | 20201012 |

HIROSE ELECTRIC CO., LTD.

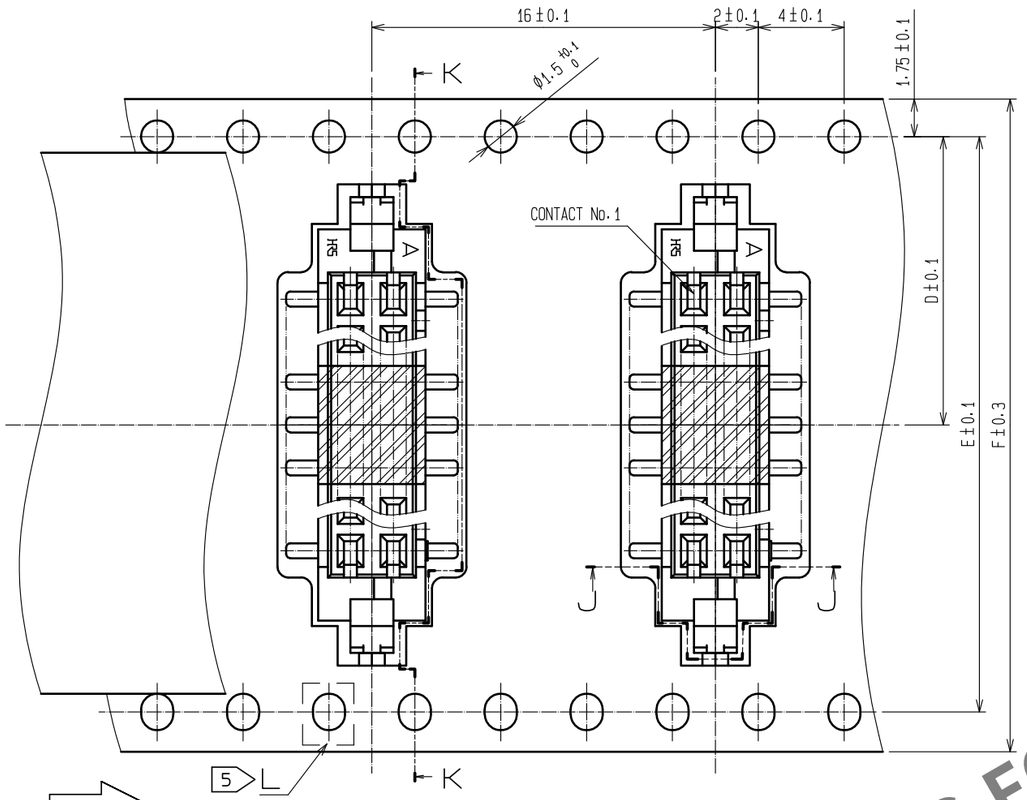
| | | |
|---|---|---|
| APPROVED | TS. SAKATA | 20091216 |
| CHECED | TS. FUKUSHIMA | 20091215 |
| DESIGNED | TH. YOSHIZAWA | 20091215 |
| DRAWN | YK. NAKATSU | 20091215 |

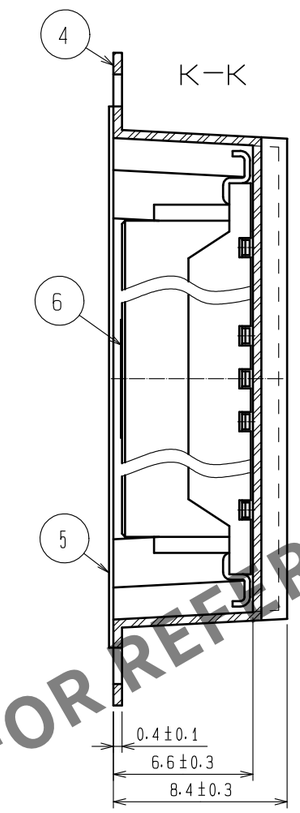
| | |
|---|---|
| DRAWING NO. | EDC-328653-00-00 |
| PART NO. | DF11CZ-*DS-2V(52) |
| CODE NO. | CL543- |

1/2

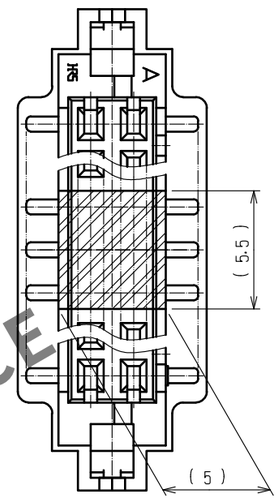
HRS DRAWING FOR REFERENCE

Apr.1.2024 Copyright 2024 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.

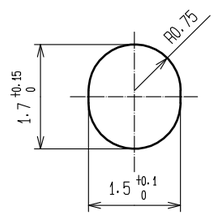


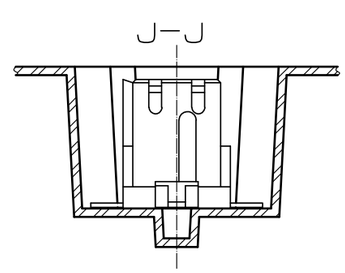

POSITION IN WHICH HEAT-RESISTANCE TAPE IS PUT




L (10:1)

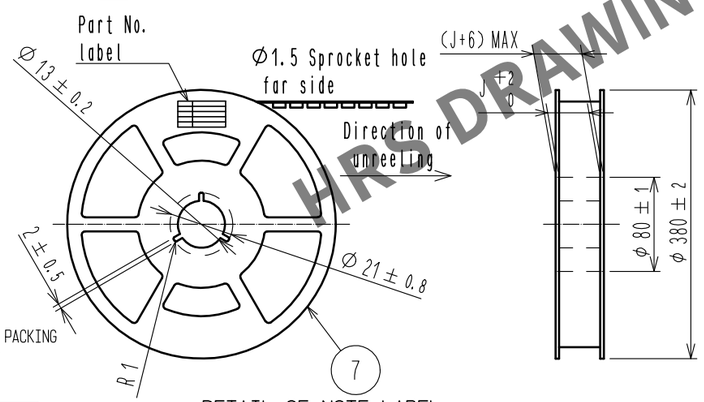


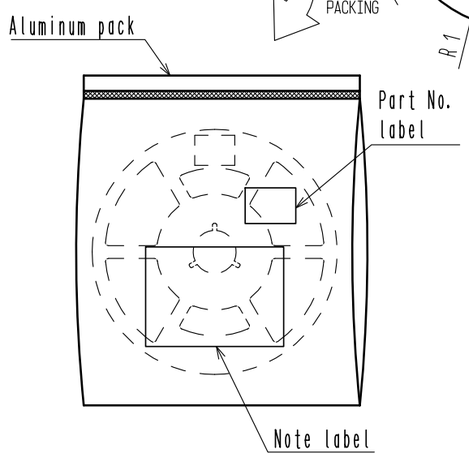

J–J



DIRECTION OF UNREELING

⚠1 STYLE AND DIMENSION OF REEL




DETAIL OF NOTE LABEL

Caution

This bag contains MOISTURE-SENSITIVEDEVICES

1. Calculated shelf life in sealed bag : 6 months at < 60℃ and <70% relative humidity(RH)
2. Peak package body temperature: 250℃(within 168 hours (7 days) after opening sealed bag) 240℃( after 168 hours (7 days) after opening sealed bag)
3. After bag is opened, devices that will be subjected to reflow solder or other high temperature with 250℃ must be processed with BAKING @ 50℃/48 hours in baking oven.
4. If you do not use up all items, please seal the bag to prevent air from entering.

Bag Seal Date: see part No. label

| CODE No. | PART No. | NUMBER OF CONTACT | D | E | F | G |
|---|---|---|---|---|---|---|
| CL0543-2063-0-52 | DF11CZ-4DS-2V(52) | 4 | 11.5 | — | 24 | 24.4 |
| CL0543-2064-3-52 | DF11CZ-6DS-2V(52) | 6 | 11.5 | — | 24 | 24.4 |
| CL0543-2065-6-52 | DF11CZ-8DS-2V(52) | 8 | 11.5 | — | 24 | 24.4 |
| CL0543-2066-9-52 | DF11CZ-10DS-2V(52) | 10 | 14.2 | 28.4 | 32 | 32.4 |
| CL0543-2067-1-52 | DF11CZ-12DS-2V(52) | 12 | 14.2 | 28.4 | 32 | 32.4 |
| CL0543-2068-4-52 | DF11CZ-14DS-2V(52) | 14 | 20.2 | 40.4 | 44 | 44.4 |
| CL0543-2069-7-52 | DF11CZ-16DS-2V(52) | 16 | 20.2 | 40.4 | 44 | 44.4 |
| CL0543-2070-6-52 | DF11CZ-18DS-2V(52) | 18 | 20.2 | 40.4 | 44 | 44.4 |
| CL0543-2071-9-52 | DF11CZ-20DS-2V(52) | 20 | 26.2 | 52.4 | 56 | 56.4 |
| CL0543-2072-1-52 | DF11CZ-22DS-2V(52) | 22 | 20.2 | 40.4 | 44 | 44.4 |
| CL0543-2073-4-52 | DF11CZ-24DS-2V(52) | 24 | 26.2 | 52.4 | 56 | 56.4 |
| CL0543-2074-7-52 | DF11CZ-26DS-2V(52) | 26 | 26.2 | 52.4 | 56 | 56.4 |
| CL0543-2075-0-52 | DF11CZ-28DS-2V(52) | 28 | 26.2 | 52.4 | 56 | 56.4 |
| CL0543-2076-2-52 | DF11CZ-30DS-2V(52) | 30 | 26.2 | 52.4 | 56 | 56.4 |
| CL0543-2078-8-52 | DF11CZ-40DS-2V(52) | 40 | 34.2 | 68.4 | 72 | 72.4 |

NOTES 4 :1 REEL:500 CONNECTORS.

5 :AT THE BIGINNING OF THE REEL, 15 COMPONENTS SHALL BE EMPTY. AT THE END OF THE REEL, 10 COMPONENTS SHALL BE EMPTY.

⚠1 6 :WHEN THE TAPE WIDTH IS 32, 44, 56 OR 72mm, SPROCKET HOLES SHALL BE SET ON BOTH SIDES OF REEL AS SHOWN ON THIS DRAWING.

⚠1 7 :THE REEL IS WRAPPED IN ALUMINIUM BAG WITH A DRY AGENT INSIDE FOR MOISTURE-PROOF PACKAGING.

8 :FOR THE STORAGE OF 168 HOURS OR MORE AFTER OPENING THE PACKAGE, KEEP THE PRODUCTS UNDER MOISTURE PROOF CONDITIONS.

9 :EXCEPT ON THE MATING SURFACE, COMPONENT INFLATION DOES NOT AFFECT THE PRODUCTS PERFORMANCE.

HRS DRAWING FOR REFERENCE

| | |
|---|---|
| HRS | |
| DRAWING NO. | EDC-328653-00-00 |
| PART NO. | DF11CZ-*DS-2V(52) |
| CODE NO. | CL543- ⚠1 2/2 |