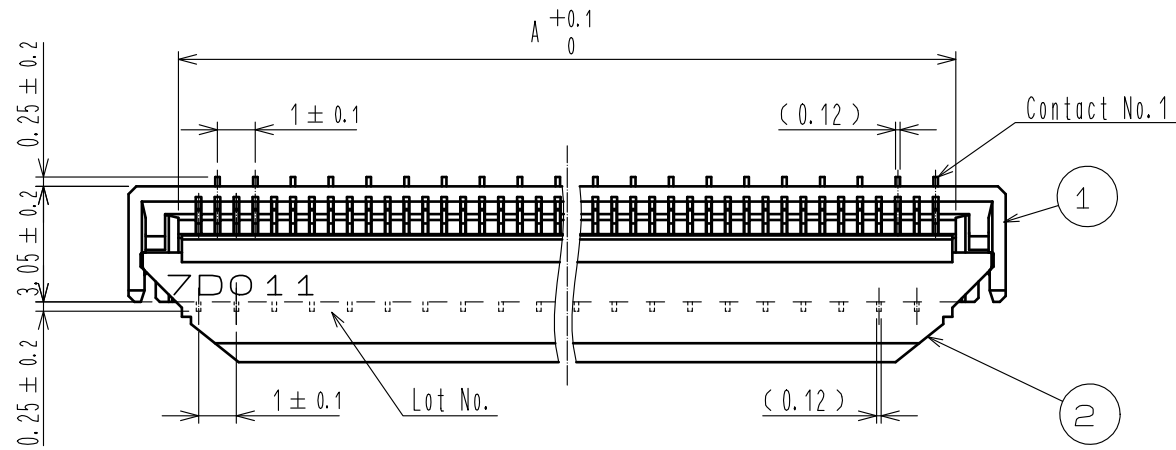
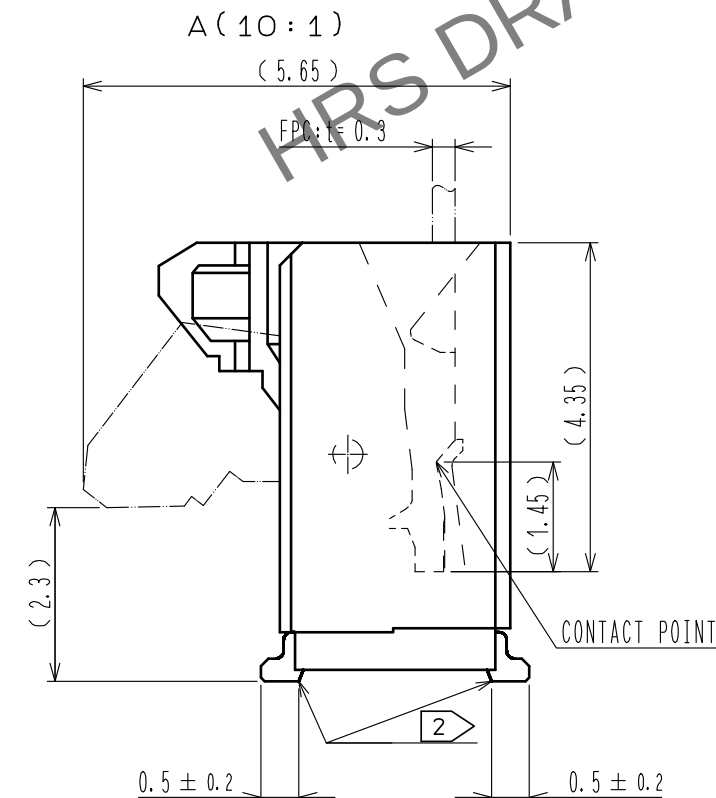
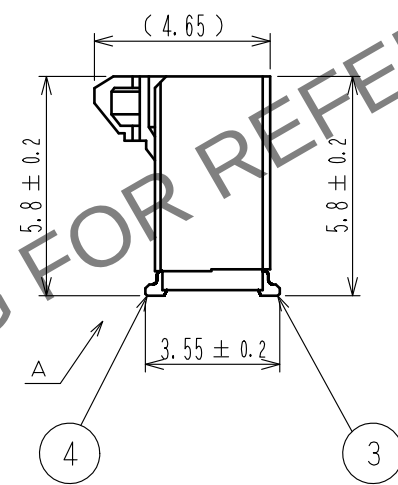
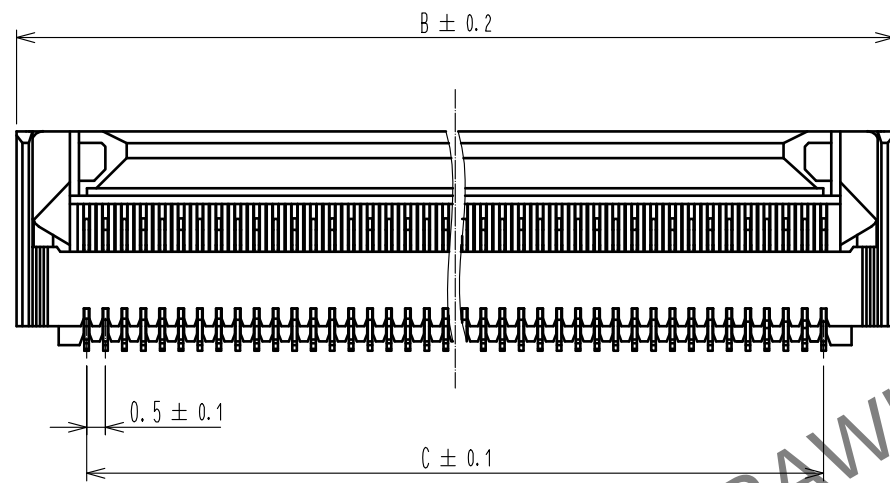


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- NOTES 1. The dimension in parentheses are for reference.
2. Lead CO-PLANARITY shall be 0.1 MAX.
3. See dimension table in the appendix.
4. This product satisfies halogen free requirements defined as 900ppm maximum chlorine, 900ppm maximum bromine, and 1500ppm maximum total of chlorine and bromine.
5. 'n' represents the number of contacts.
6. See dimension table in the appendix.

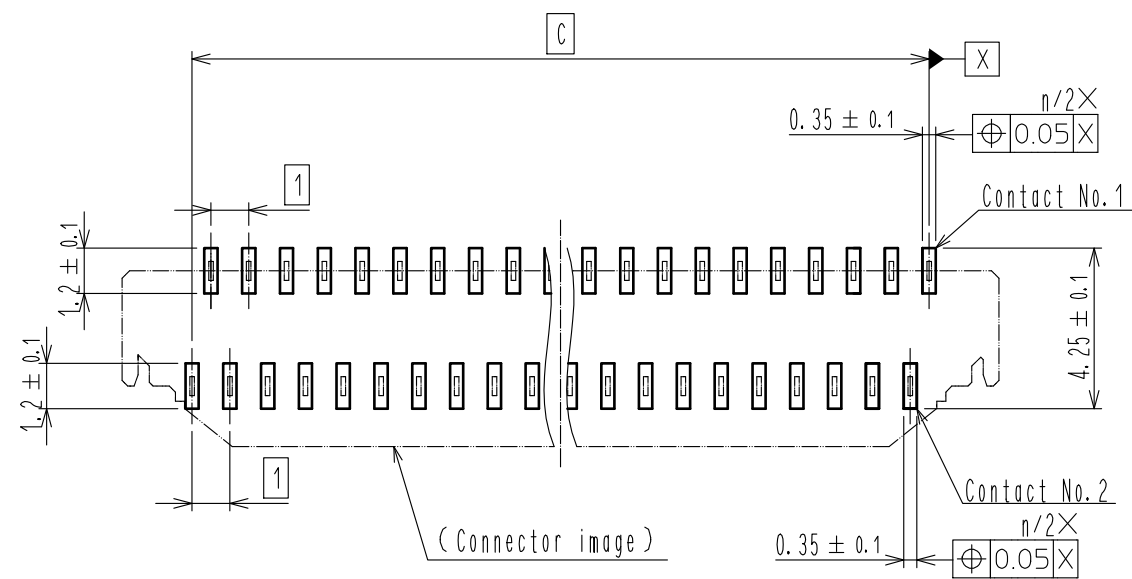


|     |                 |                                                                                                  |     |             |                  |  |
|-----|-----------------|--------------------------------------------------------------------------------------------------|-----|-------------|------------------|--|
| 4   | PHOSPHOR BRONZE | (CONTACT AREA, LEAD)<br>GOLD PLATING 0.05mm MIN. OVER NICKEL 1mm MIN.<br>(OTHER) NICKEL 1mm MIN. |     |             |                  |  |
| 3   | PHOSPHOR BRONZE | (CONTACT AREA, LEAD)<br>GOLD PLATING 0.05mm MIN. OVER NICKEL 1mm MIN.<br>(OTHER) NICKEL 1mm MIN. | 8   | (CONNECTOR) |                  |  |
|     |                 |                                                                                                  | 7   | POLYSTYRENE |                  |  |
| 2   | LCP             | (BLACK) UL94V-0                                                                                  | 6   | POLYESTER   |                  |  |
| 1   | LCP             | (BEIGE) UL94V-0                                                                                  | 5   | POLYSTYRENE |                  |  |
| NO. | MATERIAL        | FINISH . REMARKS                                                                                 | NO. | MATERIAL    | FINISH . REMARKS |  |

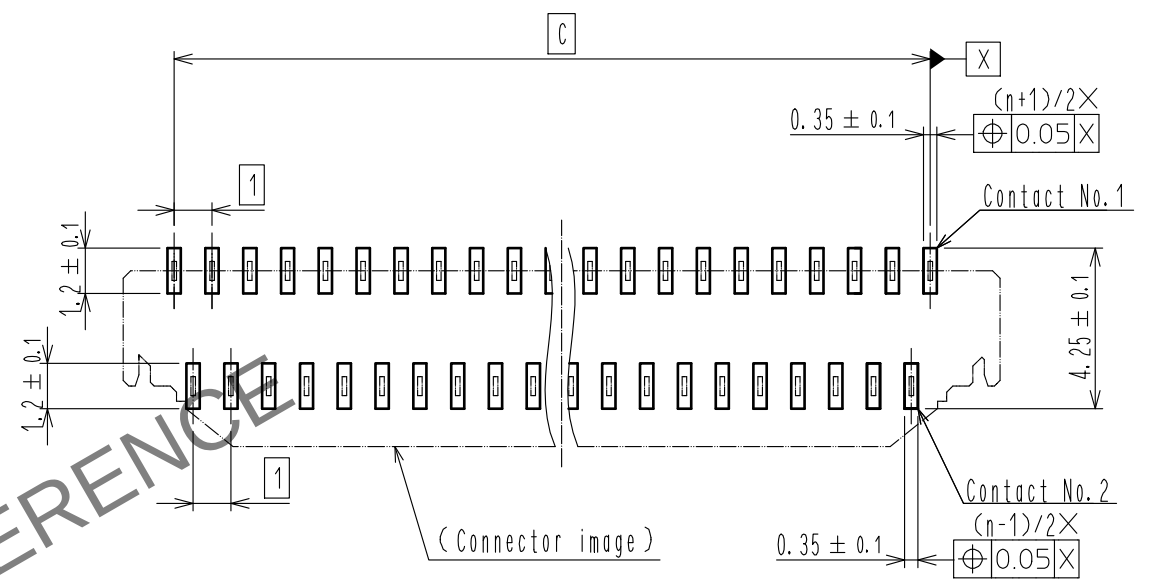
|                                                                       |  |                |                |            |                          |                        |         |      |
|-----------------------------------------------------------------------|--|----------------|----------------|------------|--------------------------|------------------------|---------|------|
| UNITS<br>mm                                                           |  | SCALE<br>5 : 1 |                | COUNT      | DESCRIPTION OF REVISIONS | DESIGNED               | CHECKED | DATE |
| <div><div>HRS</div><div>HIROSE<br/>ELECTRIC<br/>CO., LTD.</div></div> |  | APPROVED       | :NF. MIYAZAKI  | 16. 10. 28 | DRAWING<br>NO.           | EDC-349783-00-00       |         |      |
|                                                                       |  | CHECKED        | :YH. MICHIDA   | 16. 10. 28 | PART<br>NO.              | FH40- * * S-0. 5SV<99> |         |      |
|                                                                       |  | DESIGNED       | :RT. IKEDA     | 16. 10. 28 | PART<br>NO.              |                        |         |      |
|                                                                       |  | DRAWN          | :RK. OGASAWARA | 16. 10. 28 | CODE<br>NO.              | CL580                  |         |      |
|                                                                       |  |                |                |            |                          |                        |         |      |

## RECOMMENDED PCB MOUNTING PATTERN

NUMBER OF CONTACTS: EVEN NUMBER

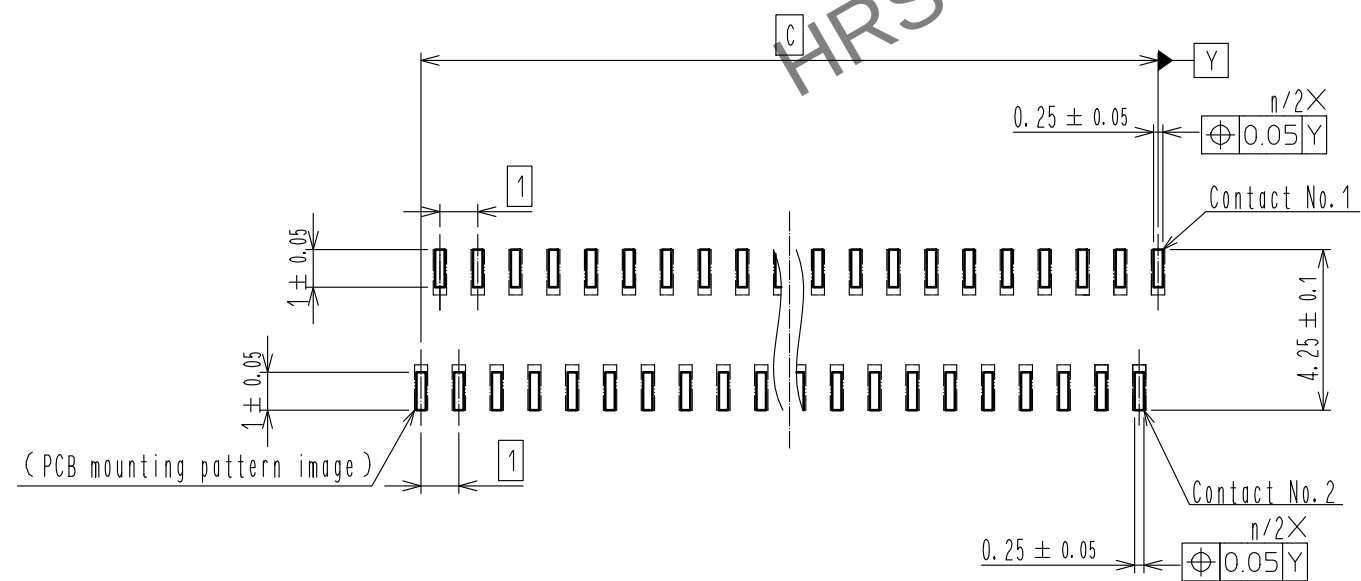


NUMBER OF CONTACTS: ODD NUMBER

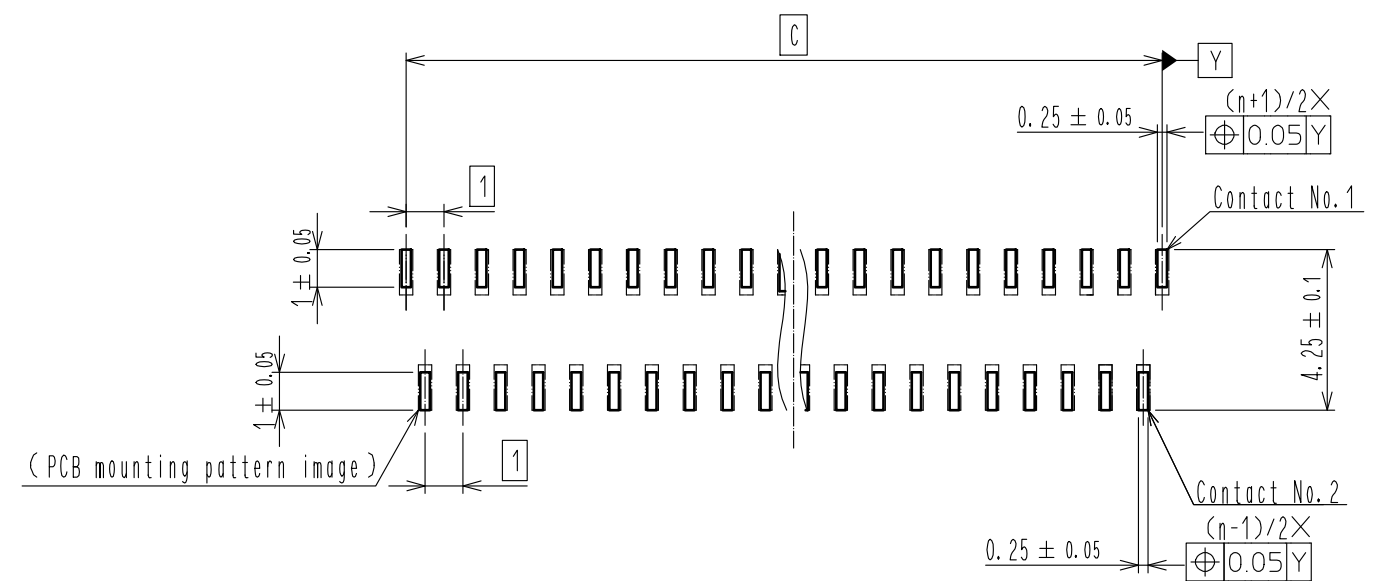


## RECOMMENDED STENCIL PATTERN (RECOMMENDED STENCIL THICKNESS : $t=0.15$ )

NUMBER OF CONTACTS: EVEN NUMBER



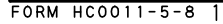
NUMBER OF CONTACTS: ODD NUMBER



**HRS**

|             |                    |
|-------------|--------------------|
| DRAWING NO. | EDC-349783-00-00   |
| PART NO.    | FH40-**S-0.5SV<99> |
| CODE NO.    | CL580              |

2/5





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| PART NO.           | CODE NO.        | NUMBER OF CONTACT | DIMENSION OF CONNECTOR, PCB MOUNTING PATTERN, STENCIL PATTERN AND FFC/FPC |      |      |      |      | DIMENSION OF DRAWING FOR PACKING |      |      |      |      |      |      |
|--------------------|-----------------|-------------------|---------------------------------------------------------------------------|------|------|------|------|----------------------------------|------|------|------|------|------|------|
|                    |                 |                   | A                                                                         | B    | C    | D    | E    | F                                | G    | H    | J    | K    | L    | M    |
| FH40-10S-0.5SV(99) | CL580-2104-6-99 | 10                | 5.57                                                                      | 8.2  | 4.5  | 5.5  | 7.1  | 16                               | —    | 7.5  | 8.4  | 5.2  | 17.4 | 21.4 |
| FH40-20S-0.5SV(99) | CL580-2105-9-99 | 20                | 10.57                                                                     | 13.2 | 9.5  | 10.5 | 12.1 | 24                               | —    | 11.5 | 13.4 | 10.2 | 25.4 | 29.4 |
| FH40-24S-0.5SV(99) | CL580-2106-1-99 | 24                | 12.57                                                                     | 15.2 | 11.5 | 12.5 | 14.1 | 24                               | —    | 11.5 | 15.4 | 12.2 | 25.4 | 29.4 |
| FH40-30S-0.5SV(99) | CL580-2108-7-99 | 30                | 15.57                                                                     | 18.2 | 14.5 | 15.5 | 17.1 | 32                               | 28.4 | 14.2 | 18.4 | 15.2 | 33.4 | 37.4 |
| FH40-40S-0.5SV(99) | CL580-2107-4-99 | 40                | 20.57                                                                     | 23.2 | 19.5 | 20.5 | 22.1 | 44                               | 40.4 | 20.2 | 23.4 | 20.2 | 45.4 | 49.4 |
| FH40-45S-0.5SV(99) | CL580-2101-8-99 | 45                | 23.07                                                                     | 25.7 | 22   | 23   | 24.6 | 44                               | 40.4 | 20.2 | 25.9 | 22.7 | 45.4 | 49.4 |
| FH40-50S-0.5SV(99) | CL580-2100-5-99 | 50                | 25.57                                                                     | 28.2 | 24.5 | 25.5 | 27.1 | 44                               | 40.4 | 20.2 | 28.4 | 25.2 | 45.4 | 49.4 |
| FH40-60S-0.5SV(99) | CL580-2109-0-99 | 60                | 30.57                                                                     | 33.2 | 29.5 | 30.5 | 32.1 | 56                               | 52.4 | 26.2 | 33.4 | 30.2 | 57.4 | 61.4 |
| FH40-64S-0.5SV(99) | CL580-2102-0-99 | 64                | 32.57                                                                     | 35.2 | 31.5 | 32.5 | 34.1 | 56                               | 52.4 | 26.2 | 35.4 | 32.2 | 57.4 | 61.4 |
| FH40-80S-0.5SV(99) | CL580-2103-3-99 | 80                | 40.57                                                                     | 43.2 | 39.5 | 40.5 | 42.1 | 56                               | 52.4 | 26.2 | 43.4 | 40.2 | 57.4 | 61.4 |

HRS

|             |                    |                         |                         |
|-------------|--------------------|-------------------------|-------------------------|
| DRAWING NO. | EDC-349783-00-00   |                         |                         |
| PART NO.    | FH40-**S-0.5SV(99) |                         |                         |
| CODE NO.    | CL580              | <div><div></div>5</div> | <div><div></div>5</div> |