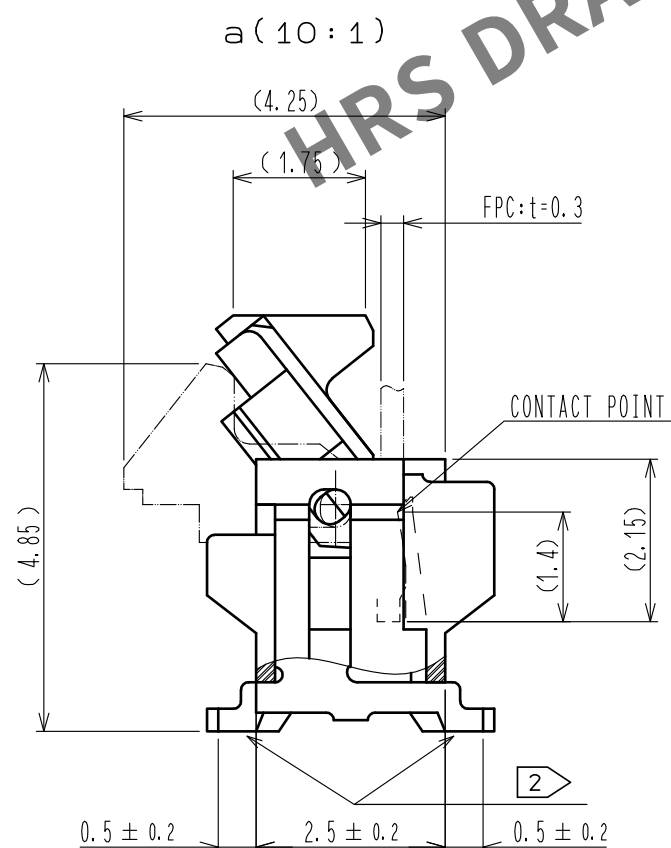
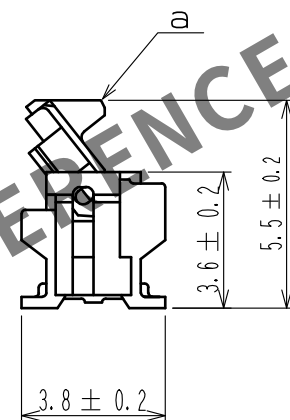
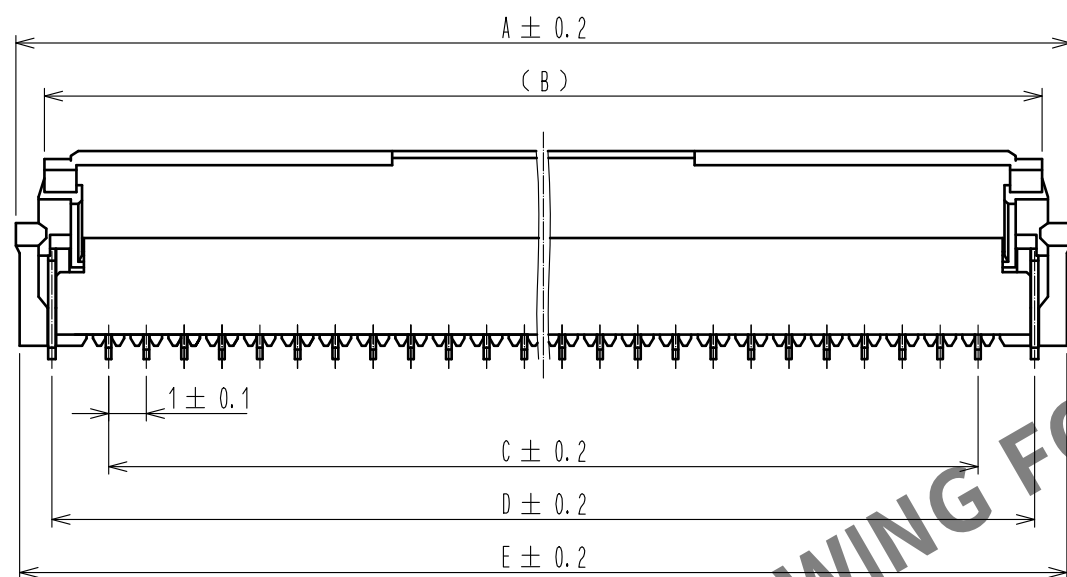
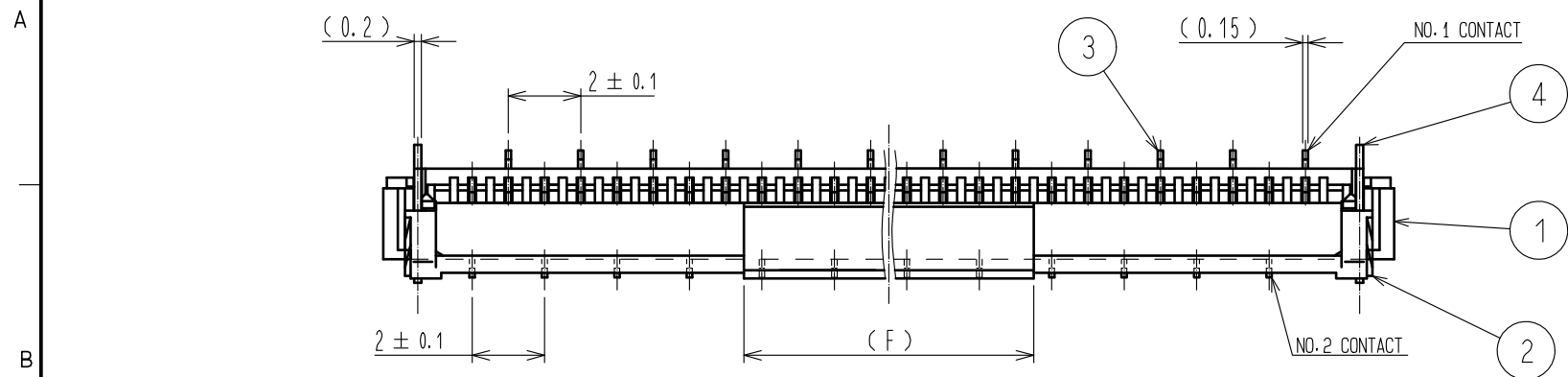


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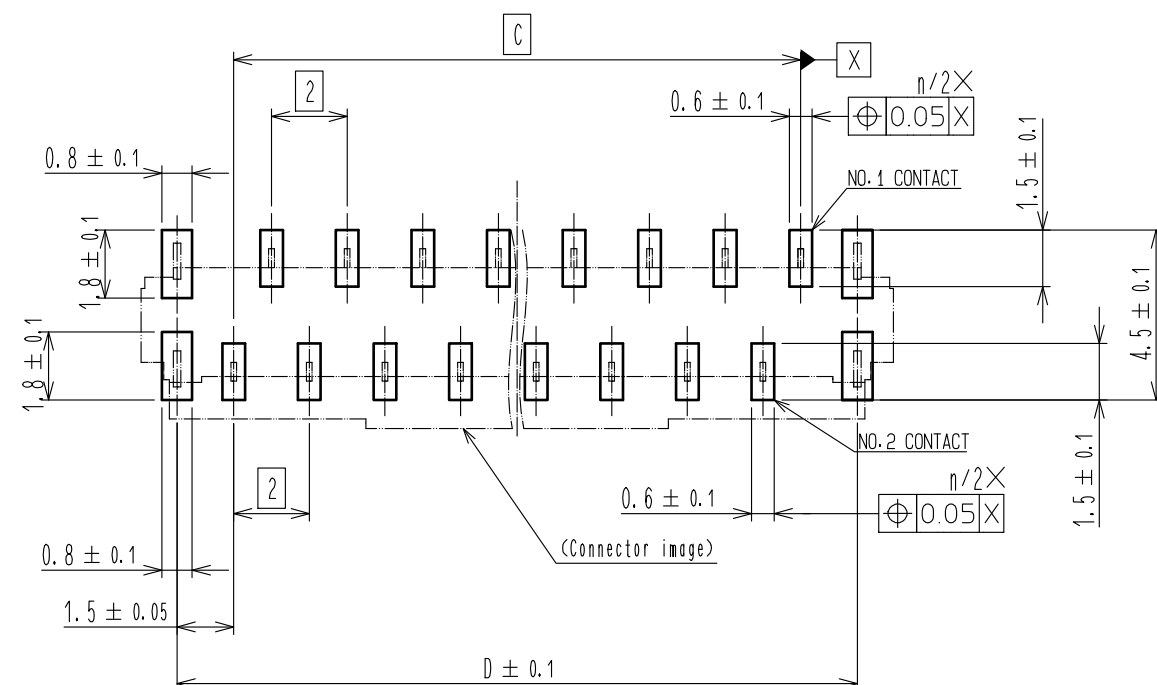
- NOTE 1 THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
- 2 LEAD CO-PLANARITY SHALL BE 0.1 MAX.
- 3 SEE DIMENSION TABLE IN THE APPENDIX.
- 4 DIFFERENCES OF THE GOLD PLATED AREA DO NOT INFLUENCE ON THE PRODUCT PERFORMANCE.
- 5 'n' REPRESENTS THE NUMBER OF CONTACTS.

|                           |                 |                                                                                                          |              |                                            |                                          |
|---------------------------|-----------------|----------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------|------------------------------------------|
| 3                         | PHOSPHOR BRONZE | (CONTACT AREA, LEAD)<br>GOLD PLATING 0.05μm MIN OVER NICKEL 1μm MIN<br>(OTHER)<br>NICKEL PLATING 1μm MIN | 8            | (CONNECTOR)                                |                                          |
|                           |                 |                                                                                                          | 7            | POLYSTYRENE                                |                                          |
|                           |                 |                                                                                                          | 6            | POLYESTER                                  |                                          |
| 2                         | PPS             | (DEEP BROWN) UL94V-0                                                                                     | 5            | POLYSTYRENE                                |                                          |
| 1                         | PA              | (BEIGE) UL94V-0                                                                                          | 4            | BRASS                                      | TIN PLATING 1μm MIN OVER NICKEL 1μm MIN. |
| NO.                       | MATERIAL        | FINISH . REMARKS                                                                                         | NO.          | MATERIAL                                   | FINISH . REMARKS                         |
| UNITS<br>mm               |                 | SCALE<br>5 : 1                                                                                           | COUNT<br>7   | DESCRIPTION OF REVISIONS<br>DIS-F-00004925 |                                          |
| HIROSE ELECTRIC CO., LTD. |                 | APPROVED : NF. MIYAZAKI                                                                                  | 20150916     | DRAWING NO.                                | EDC-366184-00-00                         |
|                           |                 | CHECKED : HS. SAKAMOTO                                                                                   | 20150915     | PART NO.                                   | FH12- * * S-1SVA(54)                     |
|                           |                 | DESIGNED : SG. MASAKI                                                                                    | 20150915     | CODE NO.                                   | CL586                                    |
|                           |                 | DRAWN : SG. MASAKI                                                                                       | 20150915     |                                            |                                          |
|                           |                 | DESIGNED                                                                                                 | SE. YOKOYAMA | CHECKED                                    | HS. SAKAMOTO                             |
|                           |                 | DATE                                                                                                     | 20190718     |                                            |                                          |
|                           |                 |                                                                                                          |              | 1                                          | 5                                        |

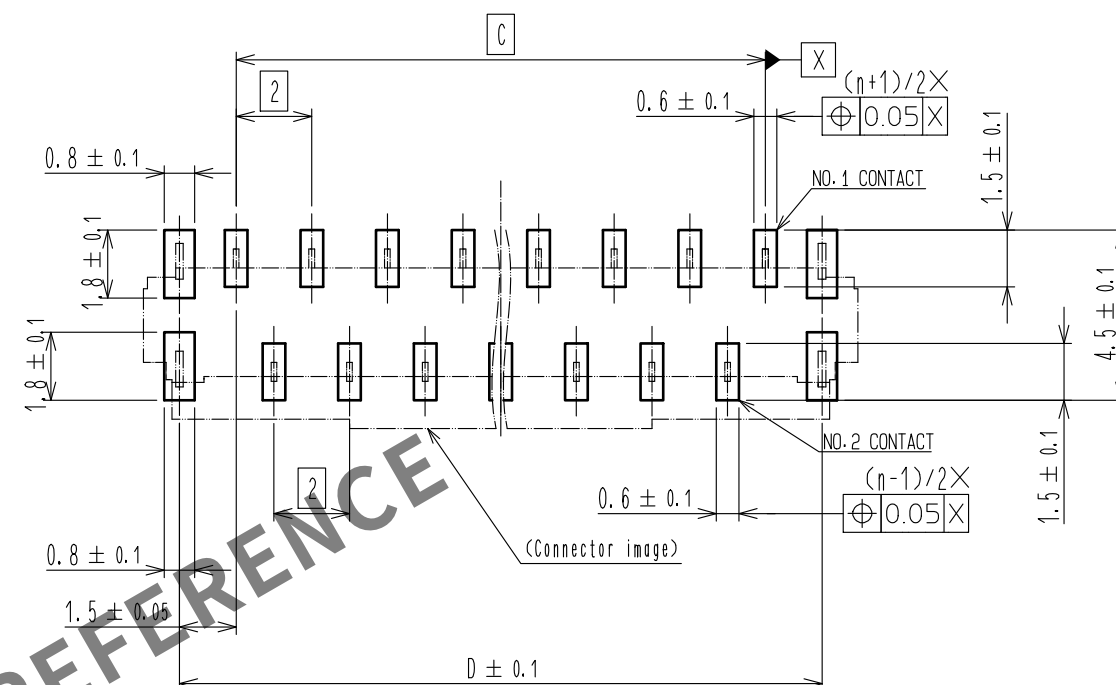
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## RECOMMENDED PCB MOUNTING PATTERN

NUMBER OF CONTACTS: EVEN NUMBER

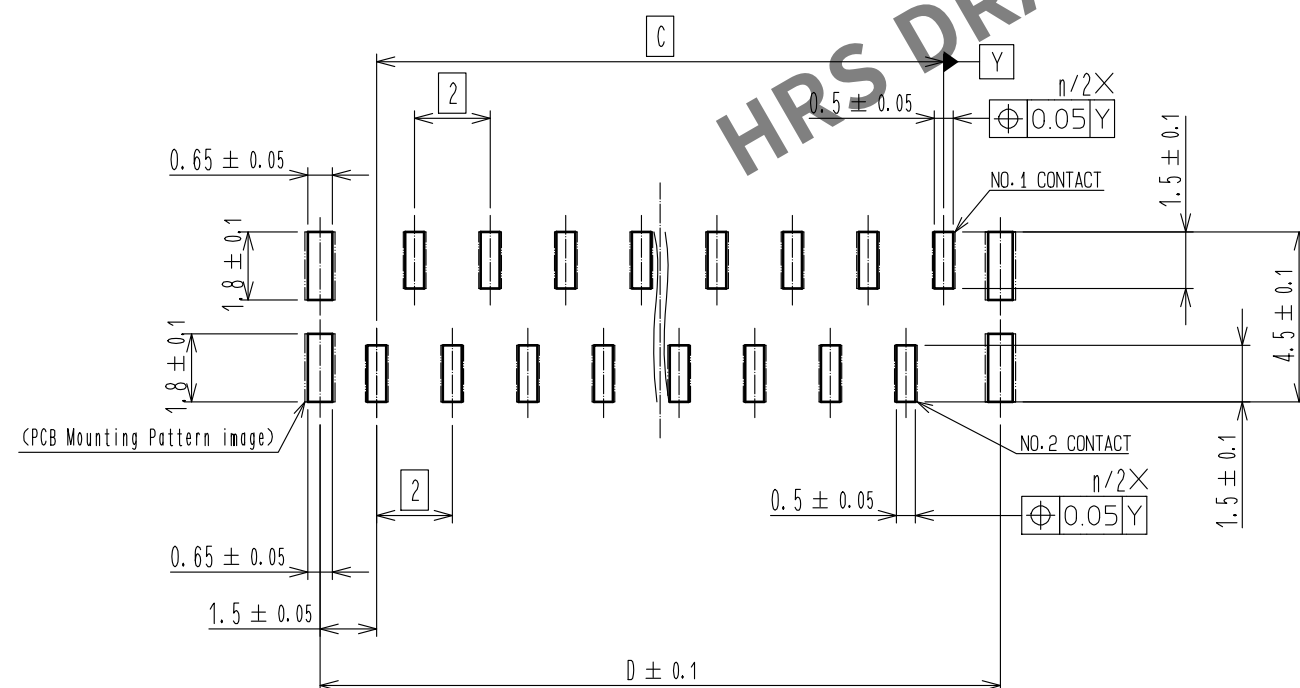


NUMBER OF CONTACTS: ODD NUMBER

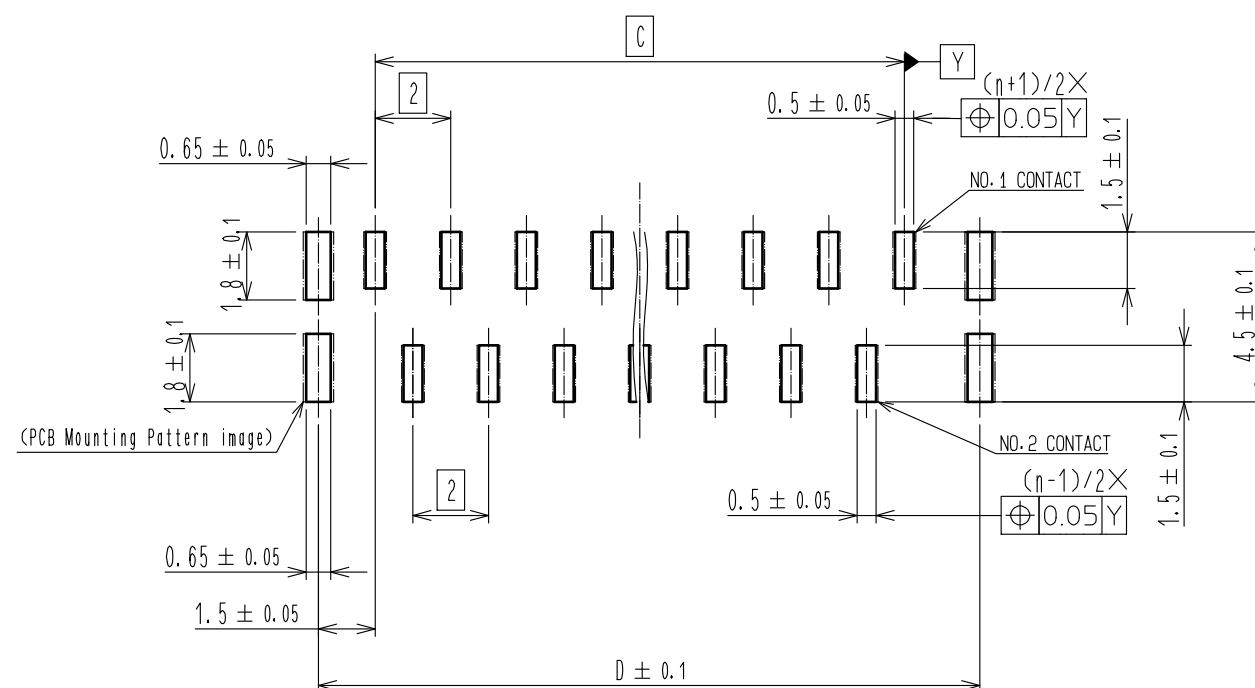


## RECOMMENDED STENCIL PATTERN (RECOMMENDED STENCIL THICKNESS: $t=0.15$ )

NUMBER OF CONTACTS: EVEN NUMBER



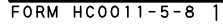
NUMBER OF CONTACTS: ODD NUMBER

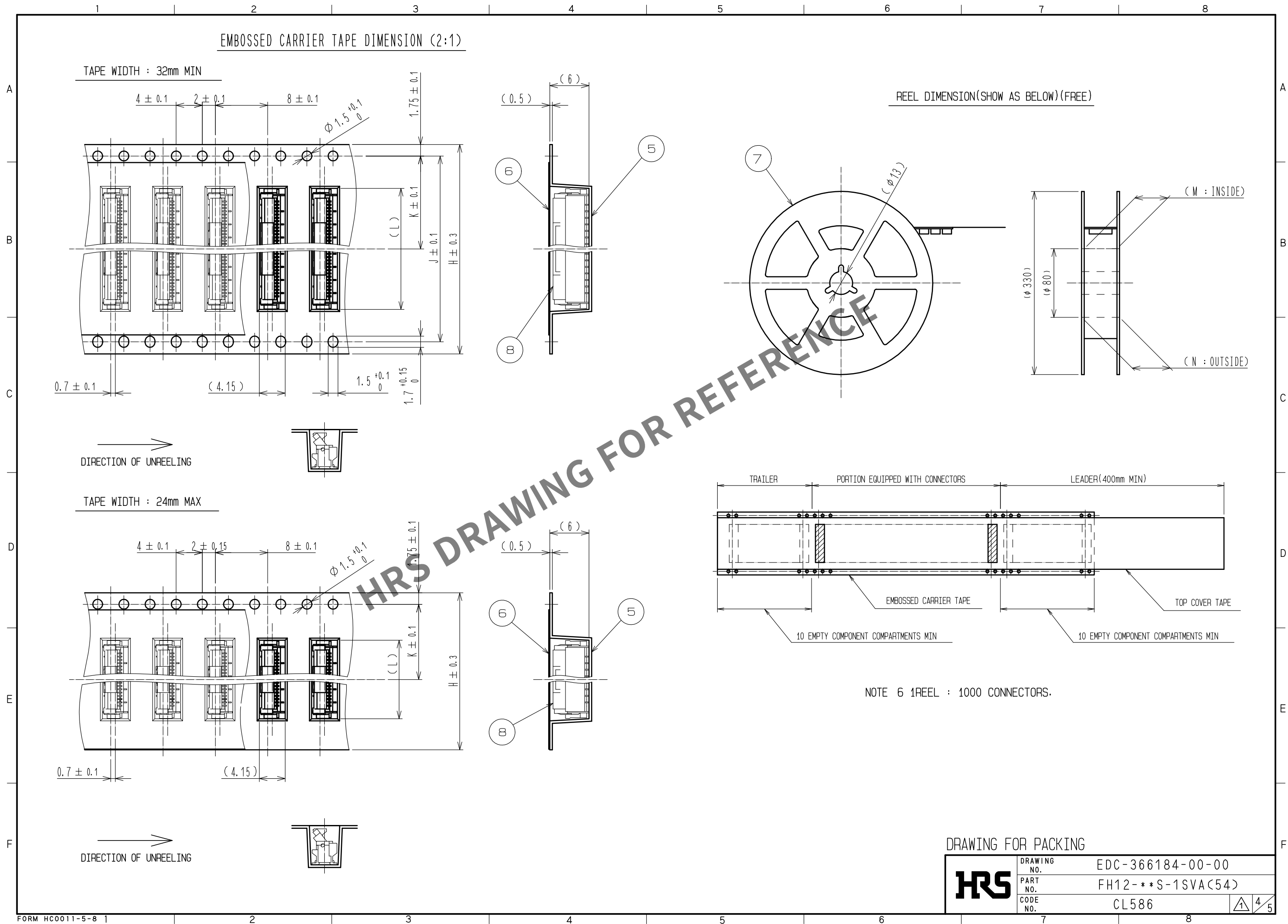


**HRS**

|             |                   |
|-------------|-------------------|
| DRAWING NO. | EDC-366184-00-00  |
| PART NO.    | FH12-**S-1SVA(54) |
| CODE NO.    | CL586             |

2/5

**HRS**



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|    | PART NO.          | CODE NO.        | NUMBER OF CONTACTS | DIMENSION TABLE OF CONNECTOR, FPC, FFC, PCB MOUNTING PATTERN AND STENCIL PATTERN |      |    |    |      |   |    | DIMENSION TABLE OF DRAWING FOR PACKING |      |      |    |      |      |
|----|-------------------|-----------------|--------------------|----------------------------------------------------------------------------------|------|----|----|------|---|----|----------------------------------------|------|------|----|------|------|
|    |                   |                 |                    | A                                                                                | B    | C  | D  | E    | F | G  | H                                      | J    | K    | L  | M    | N    |
| △1 | FH12- 6S-1SVA(54) | CL586-0822-0-54 | 6                  | 9.9                                                                              | 8.4  | 5  | 8  | 9.7  | 4 | 7  | 24                                     | —    | 11.5 | 10 | 25.4 | 29.4 |
| △1 | FH12- 7S-1SVA(54) | CL586-0823-0-54 | 7                  | 10.9                                                                             | 9.4  | 6  | 9  | 10.7 | 4 | 8  | 24                                     | —    | 11.5 | 11 | 25.4 | 29.4 |
| △1 | FH12- 8S-1SVA(54) | CL586-0824-0-54 | 8                  | 11.9                                                                             | 10.4 | 7  | 10 | 11.7 | 4 | 9  | 24                                     | —    | 11.5 | 12 | 25.4 | 29.4 |
| △1 | FH12-16S-1SVA(54) | CL586-0825-0-54 | 16                 | 19.9                                                                             | 18.4 | 15 | 18 | 19.7 | 8 | 17 | 32                                     | 28.4 | 14.2 | 20 | 33.4 | 37.4 |
| △1 | FH12-20S-1SVA(54) | CL586-0826-0-54 | 20                 | 23.9                                                                             | 22.4 | 19 | 22 | 23.7 | 8 | 21 | 44                                     | 40.4 | 20.2 | 24 | 45.4 | 49.4 |
| △1 | FH12-22S-1SVA(54) | CL586-0827-0-54 | 22                 | 25.9                                                                             | 24.4 | 21 | 24 | 25.7 | 8 | 23 | 44                                     | 40.4 | 20.2 | 26 | 45.4 | 49.4 |
| △1 | FH12-24S-1SVA(54) | CL586-0828-0-54 | 24                 | 27.9                                                                             | 26.4 | 23 | 26 | 27.7 | 8 | 25 | 44                                     | 40.4 | 20.2 | 28 | 45.4 | 49.4 |

HRS DRAWING FOR REFERENCE