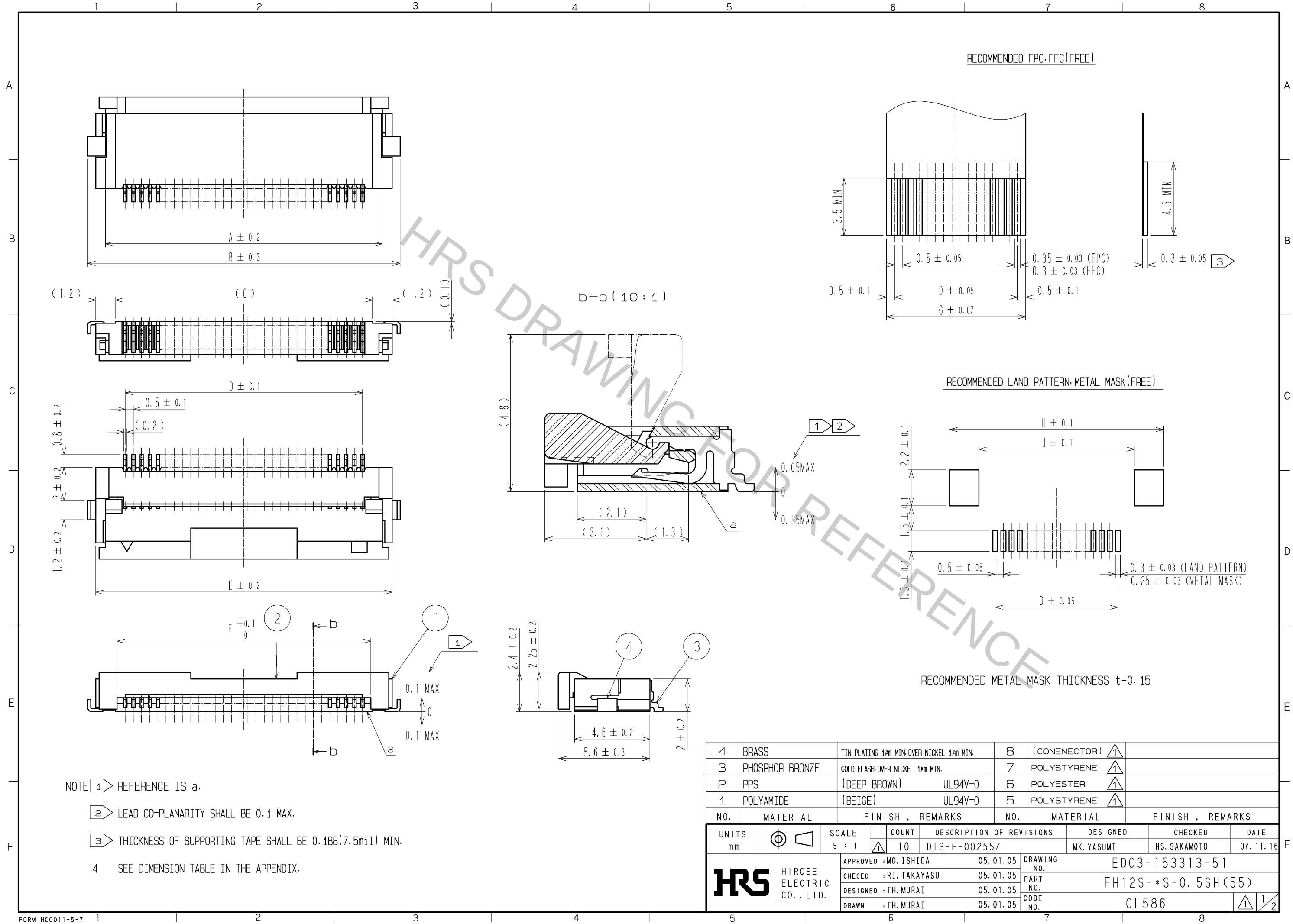
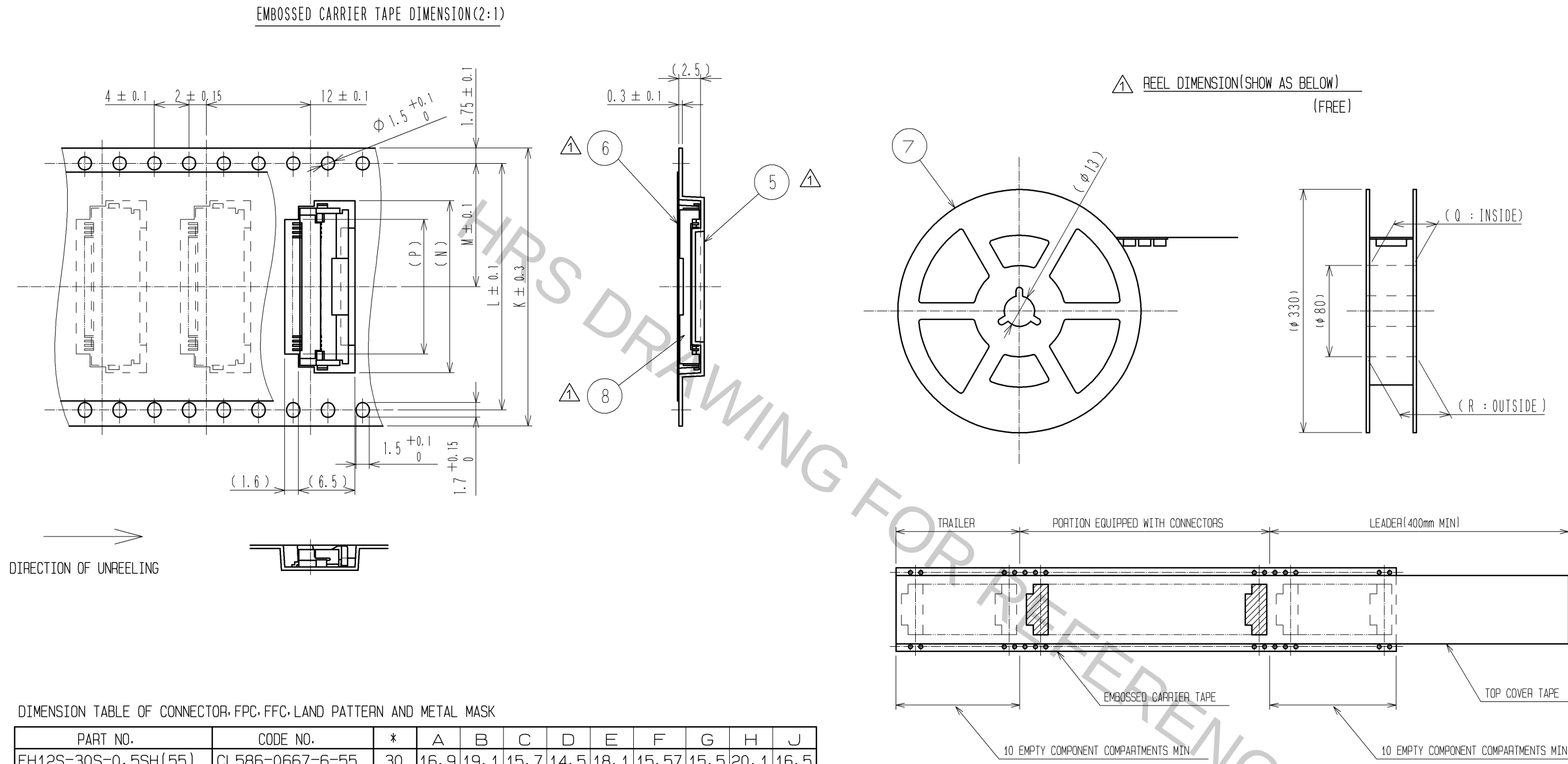


Oct.1.2018 Copyright 2018 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
In case that the application demands a high level of reliability, such as automotive,  
please contact a company representative for further information.



NOTE 1 REFERENCE IS a.  
2 LEAD CO-PLANARITY SHALL BE 0.1 MAX.  
3 THICKNESS OF SUPPORTING TAPE SHALL BE 0.188(7.5mil) MIN.  
4 SEE DIMENSION TABLE IN THE APPENDIX.

|                                                                                                                       |                 |                                           |               |                                          |          |                                                                                         |                         |                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------|---------------|------------------------------------------|----------|-----------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------|
| 4                                                                                                                     | BRASS           | TIN PLATING 1μm MIN. OVER NICKEL 1μm MIN. | 8             | (CONNECTOR)                              | △1       |                                                                                         |                         |                                                                                         |
| 3                                                                                                                     | PHOSPHOR BRONZE | GOLD FLASH OVER NICKEL 1μm MIN.           | 7             | POLYSTYRENE                              | △1       |                                                                                         |                         |                                                                                         |
| 2                                                                                                                     | PPS             | (DEEP BROWN) UL94V-0                      | 6             | POLYESTER                                | △1       |                                                                                         |                         |                                                                                         |
| 1                                                                                                                     | POLYAMIDE       | (BEIGE) UL94V-0                           | 5             | POLYSTYRENE                              | △1       |                                                                                         |                         |                                                                                         |
| NO.                                                                                                                   | MATERIAL        | FINISH . REMARKS                          |               | NO.                                      | MATERIAL | FINISH . REMARKS                                                                        |                         |                                                                                         |
| UNITS<br>mm                                                                                                           |                 | SCALE<br>5 : 1                            | COUNT<br>△ 10 | DESCRIPTION OF REVISIONS<br>DIS-F-002557 |          | DESIGNED<br>MK. YASUMI                                                                  | CHECKED<br>HS. SAKAMOTO | DATE<br>07. 11. 16                                                                      |
|  HIROSE<br>ELECTRIC<br>CO., LTD. |                 | APPROVED : MO. ISHIDA 05.01.05            |               | DRAWING NO.<br>EDC3-153313-51            |          |                                                                                         |                         |                                                                                         |
|                                                                                                                       |                 | CHECKED : RI. TAKAYASU 05.01.05           |               | PART NO.<br>FH12S-*S-0.5SH(55)           |          |                                                                                         |                         |                                                                                         |
|                                                                                                                       |                 | DESIGNED : TH. MURAI 05.01.05             |               | CODE NO.<br>CL586                        |          |                                                                                         |                         |                                                                                         |
|                                                                                                                       |                 | DRAWN : TH. MURAI 05.01.05                |               |                                          |          |                                                                                         |                         |                                                                                         |
|                                                                                                                       |                 |                                           |               |                                          |          |  1 |                         |  2 |



DIMENSION TABLE OF CONNECTOR, FPC, FFC, LAND PATTERN AND METAL MASK

| PART NO.            | CODE NO.        | *  | A    | B    | C    | D    | E    | F     | G    | H    | J    |
|---------------------|-----------------|----|------|------|------|------|------|-------|------|------|------|
| FH12S-30S-0.5SH(55) | CL586-0667-6-55 | 30 | 16.9 | 19.1 | 15.7 | 14.5 | 18.1 | 15.57 | 15.5 | 20.1 | 16.5 |
| FH12S-40S-0.5SH(55) | CL586-0640-0-55 | 40 | 21.9 | 24.1 | 20.7 | 19.5 | 23.1 | 20.57 | 20.5 | 25.1 | 21.5 |
| FH12S-45S-0.5SH(55) | CL586-0665-0-55 | 45 | 24.4 | 26.6 | 23.2 | 22   | 25.6 | 23.07 | 23   | 27.6 | 24   |
| FH12S-50S-0.5SH(55) | CL586-0642-5-55 | 50 | 26.9 | 29.1 | 25.7 | 24.5 | 28.1 | 25.57 | 25.5 | 30.1 | 26.5 |
| FH12S-53S-0.5SH(55) | CL586-0691-0-55 | 53 | 28.4 | 30.6 | 27.2 | 26   | 29.6 | 27.07 | 27   | 31.6 | 28   |

DIMENSION TABLE OF DRAWING FOR PACKING

| PART NO.            | CODE NO.        | *  | K  | L    | M    | N    | P    | Q    | R    |
|---------------------|-----------------|----|----|------|------|------|------|------|------|
| FH12S-30S-0.5SH(55) | CL586-0667-6-55 | 30 | 32 | 28.4 | 14.2 | 19.8 | 15.5 | 33.4 | 37.4 |
| FH12S-40S-0.5SH(55) | CL586-0640-0-55 | 40 | 44 | 40.4 | 20.2 | 24.8 | 20.5 | 45.4 | 49.4 |
| FH12S-45S-0.5SH(55) | CL586-0665-0-55 | 45 | 44 | 40.4 | 20.2 | 27.3 | 23   | 45.4 | 49.4 |
| FH12S-50S-0.5SH(55) | CL586-0642-5-55 | 50 | 44 | 40.4 | 20.2 | 29.8 | 25.5 | 45.4 | 49.4 |
| FH12S-53S-0.5SH(55) | CL586-0691-0-55 | 53 | 44 | 40.4 | 20.2 | 31.3 | 27   | 45.4 | 49.4 |

\* : NUMBER OF CONTACTS

- NOTE 5 THE DIMENSION IN PARENTHESES ARE FOR REFERENCE.  
6 1 REEL : 2000 CONNECTORS.  
7 SEE DIMENSION TABLE.

DRAWING FOR PACKING

|     |             |                    |
|-----|-------------|--------------------|
| HRS | DRAWING NO. | EDC3-153313-51     |
|     | PART NO.    | FH12S-*S-0.5SH(55) |
|     | CODE NO.    | CL586              |
|     |             |                    |