

**HRS DRAWING FOR REFERENCE**

**RECOMMENDED FPC, FFC(FREE)**

**RECOMMENDED LAND PATTERN, METAL MASK(FREE)**

**RECOMMENDED METAL MASK THICKNESS t=0.15**

**NOTE**

- REFERENCE IS a.
- LEAD CO-PLANARITY SHALL BE 0.1 MAX.
- THICKNESS OF SUPPORTING TAPE SHALL BE 0.188(7.5mil) MIN.

**b-b (10 : 1)**

**UNITS mm**

**SCALE 5 : 1**

**COUNT 1**

**DESCRIPTION OF REVISIONS**

**DESIGNED MK. YASUMI**

**CHECKED FN. TAMURA**

**DATE 09.12.11**

**DRAWING NO. EDC3-150551-51**

**PART NO. FH12A-15S-0.5SH(55)**

**CODE NO. CL586-0551-1-55**

| NO. | MATERIAL        | FINISH . REMARKS                         | NO. | MATERIAL    | FINISH . REMARKS |
|-----|-----------------|------------------------------------------|-----|-------------|------------------|
| 4   | BRASS           | TIN PLATING 1μMIN OVER NICKEL 1μMIN.     | 8   | (CONNECTOR) |                  |
| 3   | PHOSPHOR BRONZE | GOLD PLATING 0.05μMIN OVER NICKEL 1μMIN. | 7   | POLYSTYRENE |                  |
| 2   | PPS             | DEEP BROWN UL94V-0                       | 6   | POLYESTER   |                  |
| 1   | POLYAMIDE       | BEIGE UL94V-0                            | 5   | POLYSTYRENE |                  |

**HRS HIROSE ELECTRIC CO., LTD.**

**APPROVED :RI. TAKAYASU 08.09.02**

**CHECED :HS. SAKAMOTO 08.09.01**

**DESIGNED :MK. YASUMI 08.08.26**

**DRAWN :MK. YASUMI 08.08.26**

10.85 ± 0.2

12 ± 0.2

8.07 +0.1/0

6.2 ± 0.2

2 ± 0.2

3.5 MIN

0.5 ± 0.05

7 ± 0.05

8 ± 0.07

0.35 ± 0.03 (FPC)

0.3 ± 0.03 (FFC)

0.5 ± 0.1

0.3 ± 0.05

4.5 MIN

11.6 ± 0.3

8.7 ± 0.3

0.85 ± 0.2

2.2 ± 0.2

0.8 ± 0.2

0.5 ± 0.1

7 ± 0.1

0.2

12.6 ± 0.1

9 ± 0.1

2.2 ± 0.1

1.5 ± 0.1

1.3 ± 0.1

0.5 ± 0.05

7 ± 0.05

0.3 ± 0.03 (LAND PATTERN)

0.25 ± 0.03 (METAL MASK)

b-b (10 : 1)

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.

RECOMMENDED FPC, FFC(FREE)

RECOMMENDED LAND PATTERN, METAL MASK(FREE)

RECOMMENDED METAL MASK THICKNESS t=0.15

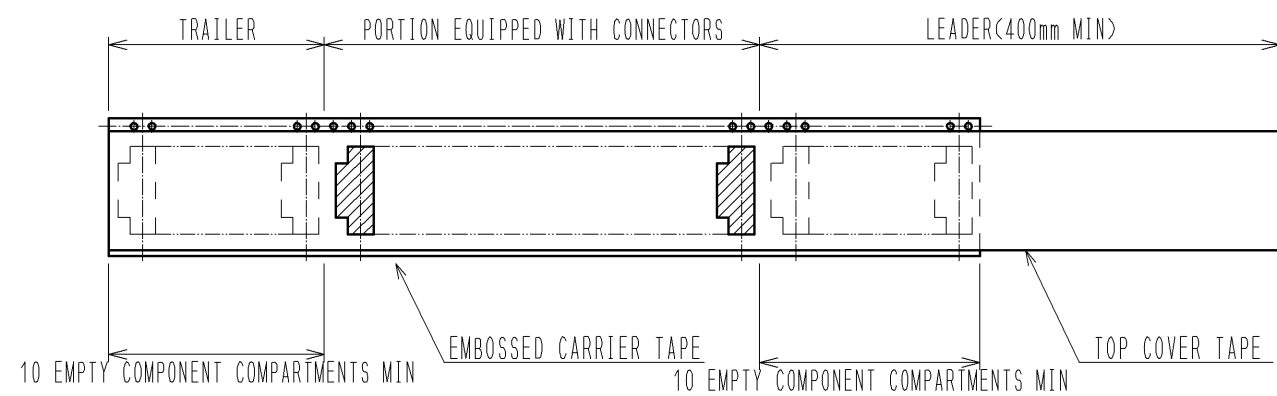
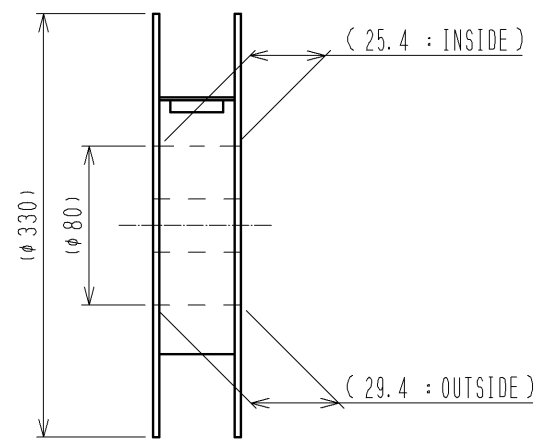
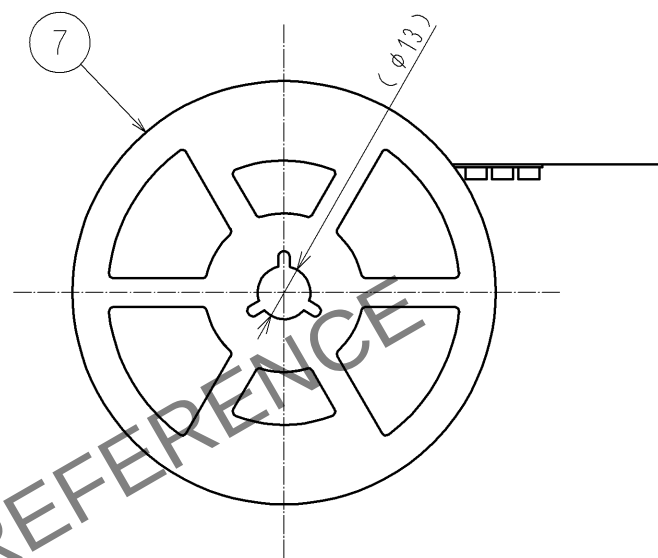
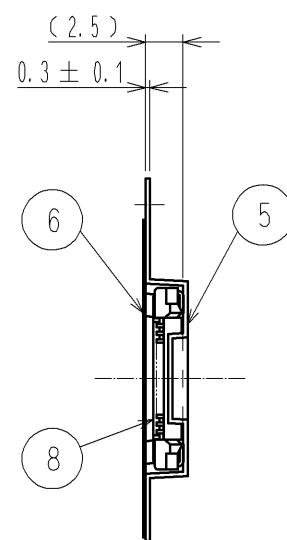
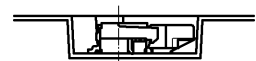
| NO. | MATERIAL        | FINISH                                   | REMARKS | NO. | MATERIAL    | FINISH | REMARKS |
|-----|-----------------|------------------------------------------|---------|-----|-------------|--------|---------|
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| 3   | PHOSPHOR BRONZE | GOLD PLATING 0.05μMIN OVER NICKEL 1μMIN. |         | 7   | POLYSTYRENE |        |         |
| 2   | PPS             | DEEP BROWN                               | UL94V-0 | 6   | POLYESTER   |        |         |
| 1   | POLYAMIDE       | BEIGE                                    | UL94V-0 | 5   | POLYSTYRENE |        |         |

| UNITS | SCALE | COUNT | DESCRIPTION OF REVISIONS | DESIGNED   | CHECKED    | DATE     |
|-------|-------|-------|--------------------------|------------|------------|----------|
| mm    | 5 : 1 | 1     | DIS-F-003410             | MK. YASUMI | FN. TAMURA | 09.12.11 |

| APPROVED     | CHECKED      | DESIGNED   | DRAWN      | DRAWING NO.    | PART NO.            | CODE NO.        |
|--------------|--------------|------------|------------|----------------|---------------------|-----------------|
| RI. TAKAYASU | HS. SAKAMOTO | MK. YASUMI | MK. YASUMI | EDC3-150551-51 | FH12A-15S-0.5SH(55) | CL586-0551-1-55 |
| 08.09.02     | 08.09.01     | 08.08.26   | 08.08.26   |                |                     |                 |

HRS HIROSE ELECTRIC CO., LTD.

1 2



NOTE 4 THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.  
5 1 REEL:2000 CONNECTORS.

<DRAWING FOR PACKING>

|                                                                                       |                              |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | DRAWING NO. EDC3-150551-51   |                                                                                       |                                                                                       |
|                                                                                       | PART NO. FH12A-15S-0.5SH(55) |                                                                                       |                                                                                       |
|                                                                                       | CODE NO. CL586-0551-1-55     |  |  |