

Technical drawing of a carrier tape assembly, showing top, side, and cross-section views, along with dimensions and material specifications.

**Top View Dimensions:**

- Overall length:  $41.5 \pm 0.2$
- Header length:  $0.2 \pm 0.05$
- Header width:  $5.9 \pm 0.3$
- Header pitch:  $(P=0.5)$
- Header width (inner):  $5.7 \pm 0.2$
- Header width (outer):  $2.5 \pm 0.2$

**Side View Dimensions:**

- Overall length:  $49.1 \pm 0.3$
- Header height:  $3.5 \pm 0.3$

**Cross Section (10:1):**

- Header connector: FX10B-168P-SV
- Receptacle connector: FX10B-168S-SV
- Header width:  $5.7 \pm 0.2$
- Header pitch:  $0.5 \pm 0.25$
- Header height:  $1.1$  (MATING LENGTH)
- Receptacle width:  $6.3 \pm 0.1$
- Receptacle height:  $4.1 \pm 0.1$
- Receptacle pitch:  $0.3 \pm 0.03$  (LAND PATTERN)
- Receptacle height (metal mask):  $0.25 \pm 0.03$

**RECOMMENDED LAND PATTERN DIMENSION OF PCB**

**Dimensions:**

- Overall length:  $49.5^{+0.1}_0$
- Header length:  $46.3^{+0.1}_0$
- Header width:  $41.5 \pm 0.05$
- Header pitch:  $0.5 \pm 0.03$
- Header width (inner):  $3.1^{+0.1}_0$
- Header width (outer):  $6.3 \pm 0.1$
- Header height:  $2.0 \pm 0.1$

**NOTES:**

- SMT LEAD-COPLANARITY:  $0.1$  MAX.
- THIS PRODUCT HAS NO POLARITY TO PATTERN FOR MOUNTING.
- MAKE SURE WIDTH OF PATTERN IS WITHIN THAT OF LAND, OR LEAD MAY TOUCH PATTERN. (THIS APPLIES TO HATCHED AREA.)
- EMBOSS CARRIER TAPE PACKAGE IS APPLIED ON THIS PRODUCT. PLEASE REFER TO THE SHEET 2/2 FOR THE DETAILS.
- THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.

**Material Specifications:**

| NO. | MATERIAL        | FINISH      | REMARKS                                                                                                                             |
|-----|-----------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 1   | LCP             | BEIGE       | UL94V-0                                                                                                                             |
| 2   | PHOSPHOR BRONZE | TIN-PLATING | CONTACT AREA: GOLD $0.1\mu\text{m}$ min.<br>LEAD AREA: TIN-PLATING $1\mu\text{m}$ min.<br>UNDER PLATING: NICKEL $1\mu\text{m}$ min. |

**Scale:** 4 : 1

**Units:** mm

**Count:** 1

**Description of Revisions:**

| NO. | DESCRIPTION           | DATE     |
|-----|-----------------------|----------|
| 1   | APPROVED : HS. OKAWA  | 07.07.17 |
| 2   | CHECKED : HS. OZAWA   | 07.07.17 |
| 3   | DESIGNED : SY. KAMIGA | 07.07.17 |
| 4   | DRAWN : HK. SUNADORI  | 07.07.11 |

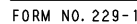
**Drawing No.:** EDC3-151959-21

**Part No.:** FX10B-168P-SV(91)

**Code No.:** CL570-0054-1-91

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

**DRAWING F**  
**08/11/2012**



|     |          |                      |  |     |             |                 |  |
|-----|----------|----------------------|--|-----|-------------|-----------------|--|
| 2   | PET      | TOP COVER TAPE       |  |     |             |                 |  |
| 1   | PS       | EMBOSSD CARRIER TAPE |  | 3   | (CONNECTOR) |                 |  |
| NO. | MATERIAL | FINISH. REMARKS      |  | NO. | MATERIAL    | FINISH. REMARKS |  |

|             |  |       |  |       |                          |          |         |      |
|-------------|--|-------|--|-------|--------------------------|----------|---------|------|
| UNITS<br>mm |  | SCALE |  | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|             |  | 2 : 1 |  |       |                          |          |         |      |

|                                                                                                                       |                       |            |             |                   |  |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-------------|-------------------|--|
|  HIROSE<br>ELECTRIC<br>CO., LTD. | APPROVED : HS. OKAWA  | 07. 07. 17 | DRAWING NO. | EDC3-151959-21    |  |
|                                                                                                                       | CHECED : HS. OZAWA    | 07. 07. 17 | PART NO.    | FX10B-168P-SV(91) |  |
|                                                                                                                       | DESIGNED : SY. KAMIGA | 07. 07. 17 | CODE NO.    | CL570-0054-1-91   |  |
|                                                                                                                       | DRAWN : HK. SUNADORI  | 07. 07. 11 |             |                   |  |


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