

Technical drawing of a carrier tape assembly, showing dimensions and cross-sections.

Top View Dimensions:

- Overall length: 35.5 ± 0.2
- Lead pitch: $(P=0.5)$
- Lead thickness: 0.2 ± 0.05
- Carrier tape width: 5.9 ± 0.3
- Carrier tape height: 5.7 ± 0.2
- Carrier tape thickness: 2.5 ± 0.2

Side View Dimensions:

- Carrier tape width: 43.1 ± 0.3
- Carrier tape height: 3.5 ± 0.3
- Carrier tape thickness: (0.6)
- Carrier tape width (bottom): 38.4 ± 0.1
- Carrier tape height (bottom): $(\phi 1)$

Cross Cut Section (10:1):

- Carrier tape width: 5.7 ± 0.2
- Carrier tape height: 0.5 ± 0.25
- Header connector: FX10A-144P-SV
- Receptacle connector: FX10A-144S-SV

Recommended Land Pattern Dimension of PCB:

(RECOMMENDED METAL MASK THICKNESS: 0.15mm)

Land Pattern Dimensions:

- Carrier tape width: $43.5^{+0.1}_0$
- Carrier tape height: $40.3^{+0.1}_0$
- Carrier tape width (bottom): 38.4 ± 0.05
- Carrier tape height (bottom): 35.5 ± 0.05
- Carrier tape width (bottom): 0.5 ± 0.03
- Carrier tape height (bottom): $\phi 1.1 \pm 0.05$
- Carrier tape width (bottom): 1.45 ± 0.05
- Carrier tape height (bottom): 0.3 ± 0.03 (LAND PATTERN)
- Carrier tape width (bottom): 0.25 ± 0.03 (METAL MASK)

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 and Finish Table:

NO.	MATERIAL	FINISH	REMARKS
3	PHOSPHOR BRONZE	TIN-PLATING	
2	PHOSPHOR BRONZE	CONTACT AREA: GOLD 0.1μm min.	
1	LCP	BEIGE UL94V-0	

Revisions Table:

NO.	MATERIAL	FINISH	REMARKS
5	POLYESTER	TOP COVER TAPE	
4	POLYSTYRENE	EMBOSS CARRIER TAPE	

Units: mm

Scale: 4 : 1

Count: 1

Description of Revisions:

NO.	MATERIAL	FINISH	REMARKS
5	POLYESTER	TOP COVER TAPE	
4	POLYSTYRENE	EMBOSS CARRIER TAPE	

Design and Check Table:

DESIGNED	CHECKED	DATE
HT. YAMAGUCHI	HT. YAMAGUCHI	10.07.29
SY. KAMIGA	SY. KAMIGA	10.07.29
HK. SUNADORI	HK. SUNADORI	10.07.28

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Part No.: FX10A-144P-SV(91)

Code No.: CL570-0043-5-91

Logo: HRS HIROSE ELECTRIC CO., LTD.

DRAWING FOR REFERENCE: This is subject to change without notice
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