

(4)

(1.1) : MATING LENGTH

5.7 ± 0.2

0.5 ± 0.25

HEADER CONNECTOR:
FX10A-168P-SV

RECEPTACLE CONNECTOR:
FX10A-168S-SV

This diagram shows a cross-section of a cable assembly. The central part is a cable with two twisted pairs of conductors, each pair surrounded by a braided shield. This central cable is flanked by two outer conductive shields. The entire assembly is terminated at both ends with connectors. The top connector is labeled 'HEADER CONNECTOR: FX10A-168P-SV' and the bottom connector is labeled 'RECEPTACLE CONNECTOR: FX10A-168S-SV'. Dimension lines indicate a total length of 5.7 ± 0.2 and a specific mating length of 0.5 ± 0.25. A vertical dimension on the left is labeled '(1.1) : MATING LENGTH'. A circled number '(4)' is located to the left of the mating length dimension.

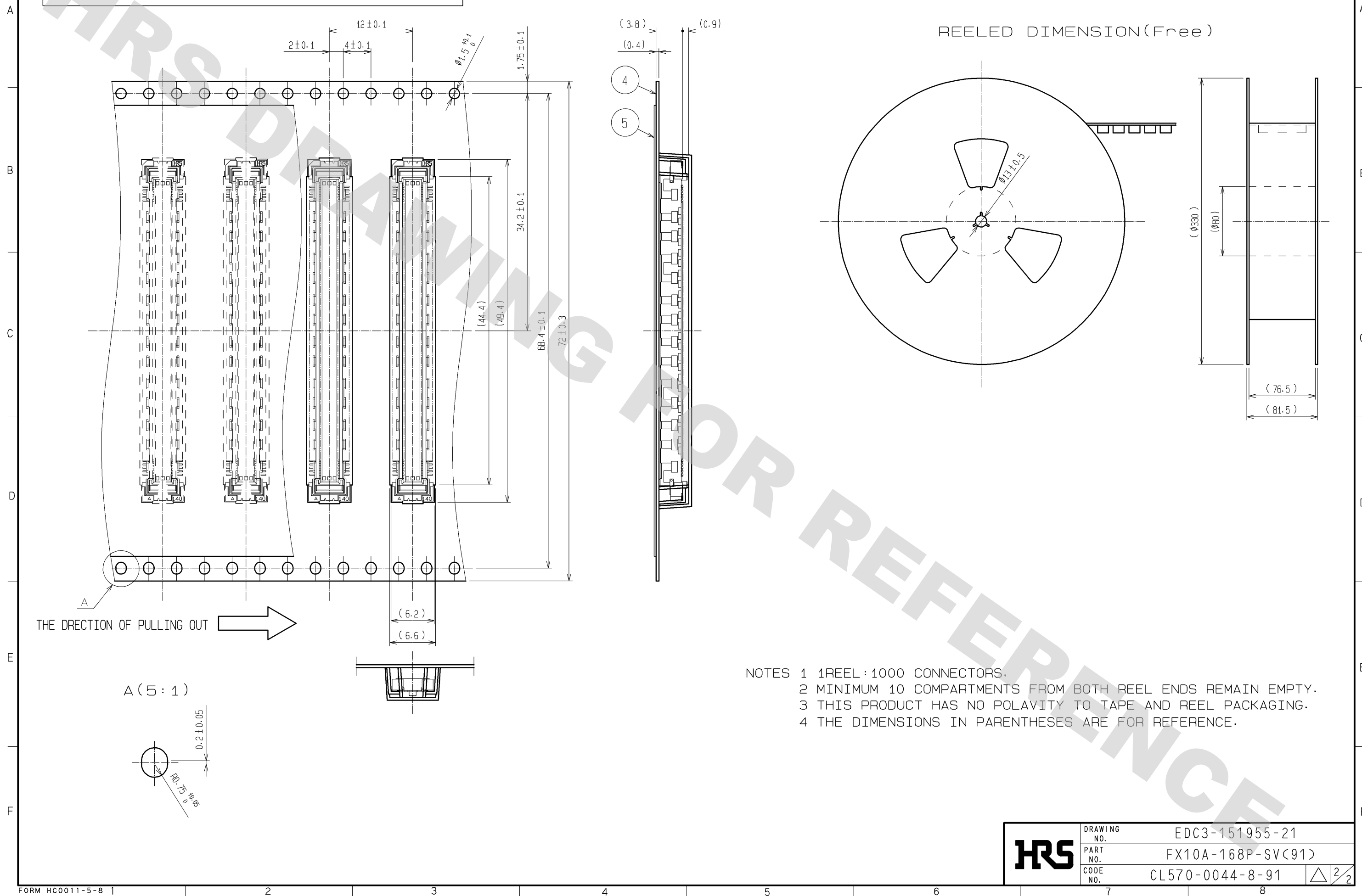
Technical drawing of a PCB layout showing dimensions and tolerances. The drawing includes a central rectangular area with a cross-hatched pattern, flanked by circular features and rectangular pads. Dimensions are provided in millimeters (mm) with tolerances.

Key dimensions and tolerances:

- Overall width: $49.5^{+0.1}_0$
- Overall height: $46.3^{+0.1}_0$
- Inner width: 44.4 ± 0.05
- Inner height: 41.5 ± 0.05
- Left circular feature diameter: $\phi 1.1 \pm 0.05$
- Left circular feature position: $3.1^{+0.1}_0$
- Left circular feature offset: 1.45 ± 0.05
- Right circular feature diameter: $\phi 1.2 \pm 0.05$
- Right circular feature position: $2^{+0.1}_0$
- Right circular feature offset: 0.3 ± 0.03 (LAND PATTERN) and 0.25 ± 0.03 (METAL MASK)
- Central area width: 0.5 ± 0.03
- Central area height: $6.3^{+0.1}_0$

- | | | | | | | |
|-----|-----------------|---------------------------------|-----|-------------|------------------------|--|
| 3 | PHOSPHOR BRONZE | TIN-PLATING | | | | |
| 2 | PHOSPHOR BRONZE | CONTACT AREA:GOLD 0.1μm min. | | | | |
| | | LEAD AREA :TIN-PLATING 1μm min. | | | | |
| | | UNDER PLATING : NICKEL 1μm min. | 5 | POLYESTER | TOP COVER TAPE | |
| 1 | LCP | BEIGE UL94V-0 | 4 | POLYSTYRENE | EMBOSSSED CARRIER TAPE | |
| NO. | MATERIAL | FINISH, REMARKS | NO. | MATERIAL | FINISH, REMARKS | |
- | | | | | | | | | | |
|--|--|----------------|-----------------|------------|--------------------------|----------------|--------------------|------|--|
| UNITS
mm | | SCALE
4 : 1 | | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE | |
| <div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> HIROSE
ELECTRIC
CO., LTD. </div> | | APPROVED | : HT. YAMAGUCHI | 10. 07. 29 | DRAWING
NO. | EDC3-151955-21 | | | |
| | | CHECED | : HT. YAMAGUCHI | 10. 07. 29 | | PART
NO. | FX10A-168P-SVC(91) | | |
| | | DESIGNED | : SY. KAMIGA | 10. 07. 29 | CODE
NO. | | CL570-0044-8-91 | | |
| | | DRAWN | : HK. SUNADORI | 10. 07. 28 | | | | | |
| | | | | | | | | | |

DRAWING FOR PACKING(2:1)



HRS	DRAWING NO.	EDC3-151955-21
	PART NO.	FX10A-168P-SV(91)
	CODE NO.	CL570-0044-8-91