

Technical drawing of a PCB assembly, showing dimensions and components.

Top View: Dimensions include 41.5 ± 0.2, 49.1 ± 0.3, 44.4 ± 0.1, and 44.5 ± 0.1. Components are labeled No. b1, No. b2, No. a1, No. a2, No. b84, No. b83, No. a88, No. a84, No. b84, No. b83, No. a88, No. a84. A vacuum pickup area is indicated by a cross-hatched pattern.

Side View: Dimensions include 5.9 ± 0.3, 5.7 ± 0.2, 2.5 ± 0.2, 7.25 ± 0.3, 44.4 ± 0.1, 49.1 ± 0.3, 41.5 ± 0.2, 0.2 ± 0.05, 0.3 ± 0.03, 0.25 ± 0.03 (METAL MASK), 0.3 ± 0.03 (LAND PATTERN), 0.5 ± 0.05, 0.3 ± 0.03, 0.25 ± 0.03 (METAL MASK), 0.3 ± 0.03 (LAND PATTERN), 0.25 ± 0.03 (METAL MASK), 0.3 ± 0.03 (LAND PATTERN), 0.25 ± 0.03 (METAL MASK).

Cross Cut Section (10:1): Shows the assembly with a header connector (FX10A-168P-SV4(B3)) and a receptacle connector (FX10A(B)-168S-SV(B3)). Dimensions include 8.0 ± 0.127, 1.1 EFFECTIVE MATING LENGTH, 0.3 ± 0.03 (LAND PATTERN), 0.25 ± 0.03 (METAL MASK), 0.3 ± 0.03 (LAND PATTERN), 0.25 ± 0.03 (METAL MASK), 0.3 ± 0.03 (LAND PATTERN), 0.25 ± 0.03 (METAL MASK).

RECOMMENDED LAND PATTERN DIMENSION OF PCB
(RECOMMENDED METAL MASK THICKNESS: 0.15mm)

NOTES:

- 1 SMT LEAD-COPLANARITY: 0.1 MAX.
- 2 THIS PRODUCT HAS NO POLARITY TO PATTERN FOR MOUNTING.
- 3 THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
- 4 STACKING HEIGHT FROM LEAD TO LEAD (REFERENCE DIMENSIONS)
- 5 BOARD DISTANCE
- 6 CROSS-HATCHED AREA IS VACUUM PICKUP AREA FOR REFERENCE.

Table 1: Material and Finish Specifications

NO.	MATERIAL	FINISH	REMARKS	NO.	MATERIAL	FINISH	REMARKS
3	COPPER ARROY	CONTACT AREA: GOLD 0.76μm min.		6	PET	TOP COVER TAPE	
		LEAD AREA: GOLD 0.03μm min.		5	PS	EMBOSSD CARRIER TAPE	
		UNDER PLATING: NICKEL 1.3μm min.		4	COPPER ARROY	SURFACE AREA: GOLD 0.03μm min.	
1, 2	LCP	BEIGE UL94V-0				UNDER PLATING: NICKEL 1.3μm min.	

Table 2: Revision History

NO.	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
1	APPROVED : HS. OKAWA	11.03.24		
2	CHECKED : KI. HIROKAWA	11.03.24		
3	DESIGNED : DK. AIMOTO	11.03.23		
4	DRAWN : DK. AIMOTO	11.03.23		

Table 3: Drawing Information

UNITS	SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	4 : 1					

Table 4: Drawing Information

DRAWING NO.	PART NO.	CODE NO.
EDC3-330883-01	FX10A-168P-SV4(B3)	CL570-0306-2-83

Table 5: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 6: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 7: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 8: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 9: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 10: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 11: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 12: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 13: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 14: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 15: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 16: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 17: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 18: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 19: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 20: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 21: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 22: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 23: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 24: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 25: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

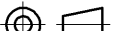
Table 26: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

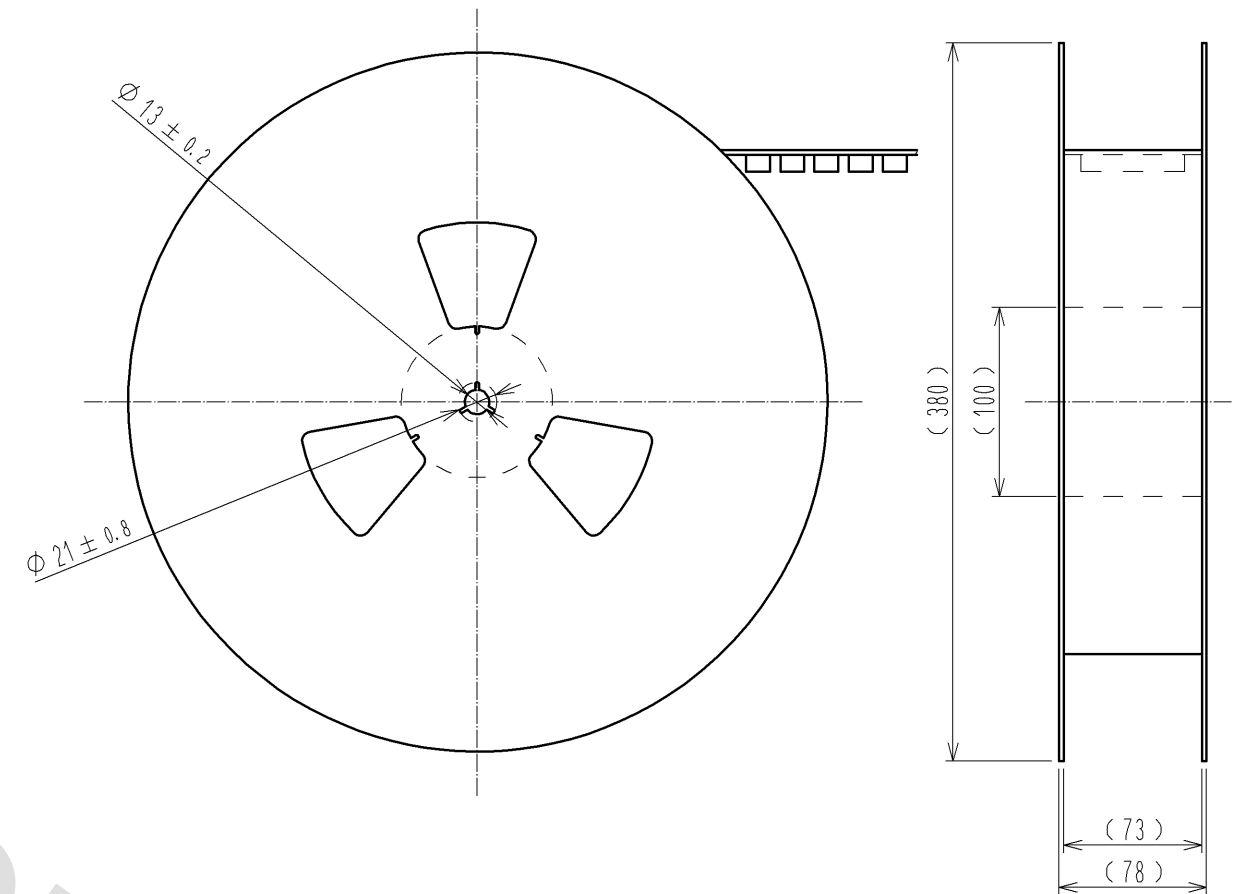
Table 27: Drawing Information

APPROVED	CHECKED	DESIGNED	DRAWN
HS. OKAWA	KI. HIROKAWA	DK. AIMOTO	DK. AIMOTO

Table 28: Drawing Information

3	COPPER ARROY	CONTACT AREA:GOLD 0.76#m min.		6	PET	TOP COVER TAPE						
		LEAD AREA:GOLD 0.03#m min.		5	PS	EMBOSSSED CARRIER TAPE						
		UNDER PLATING:NICKEL 1.3#m min.		4	COPPER ARROY	SURFACE AREA:GOLD 0.03#m min.						
1, 2	LCP	BEIGE UL94V-0				UNDER PLATING:NICKEL 1.3#m min.						
NO.		MATERIAL		FINISH , REMARKS		NO.		MATERIAL		FINISH , REMARKS		
UNITS mm				SCALE 4 : 1		COUNT	DESCRIPTION OF REVISIONS			DESIGNED	CHECKED	DATE
 HIROSE ELECTRIC CO., LTD.				APPROVED : HS. OKAWA		11. 03. 24	DRAWING NO. EDC3-330883-01					
				CHECKED : KI. HIROKAWA		11. 03. 24	PART NO. FX10A-168P-SV4(83)					
				DESIGNED : DK. AIMOTO		11. 03. 23	CODE NO. CL570-0306-2-83					
				DRAWN : DK. AIMOTO		11. 03. 23	 1/2					

DRAWING FOR PACKING(2:1)



Technical drawing showing a circular feature with a radius dimension $R0.75 \begin{smallmatrix} 0 \\ \text{to } 0.05 \end{smallmatrix}$ and a vertical distance dimension 0.2 ± 0.05 .

NOTES 1 1 REEL : 700 CONNECTORS.
2 MINIMUM 10 COMPARTMENTS FROM BOTH REEL ENDS REMAIN EMPTY.
3 THIS PRODUCT HAS NO POLARITY TO TAPE AND REEL PACKAGING.
4 THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.