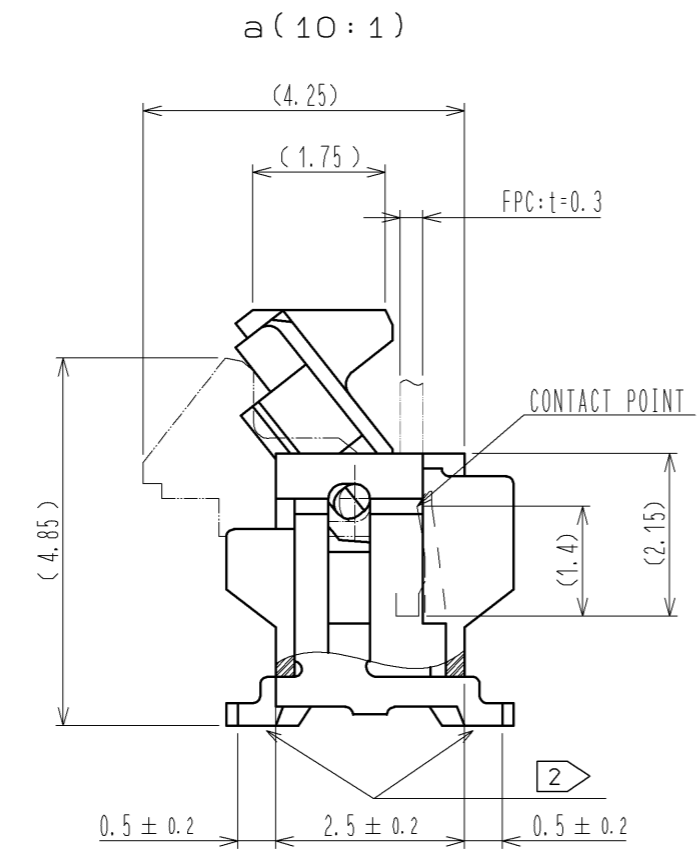
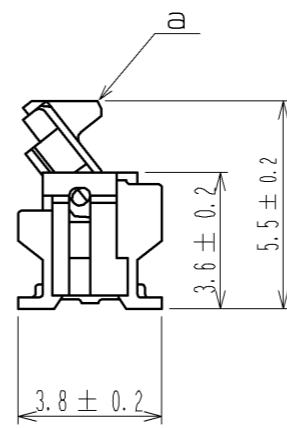
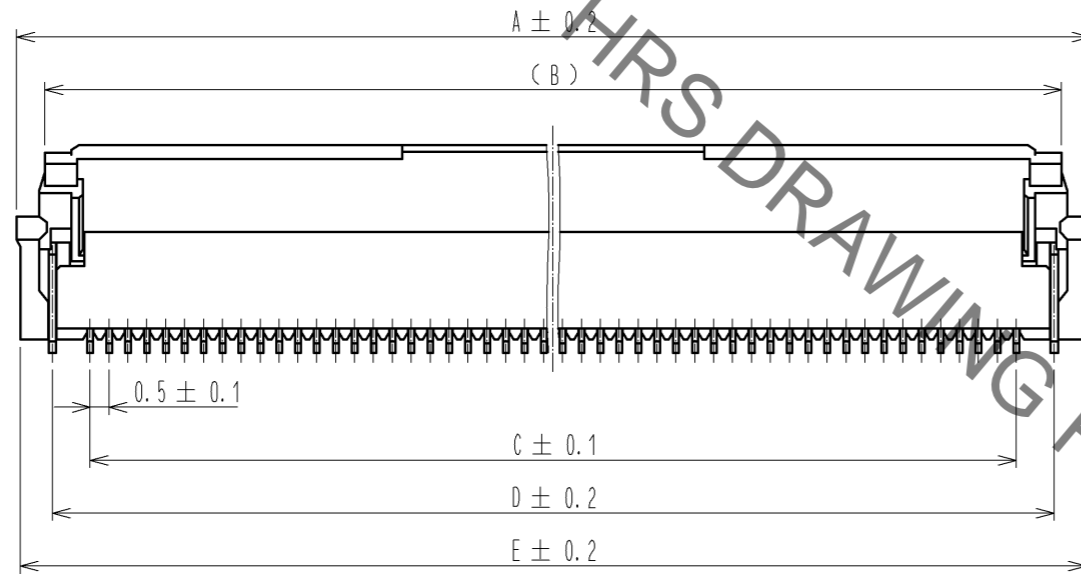
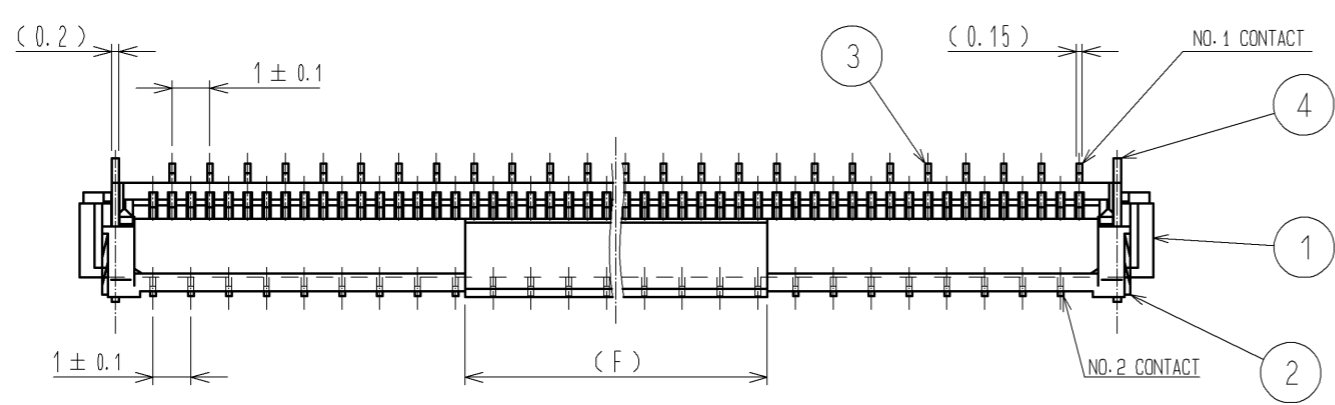


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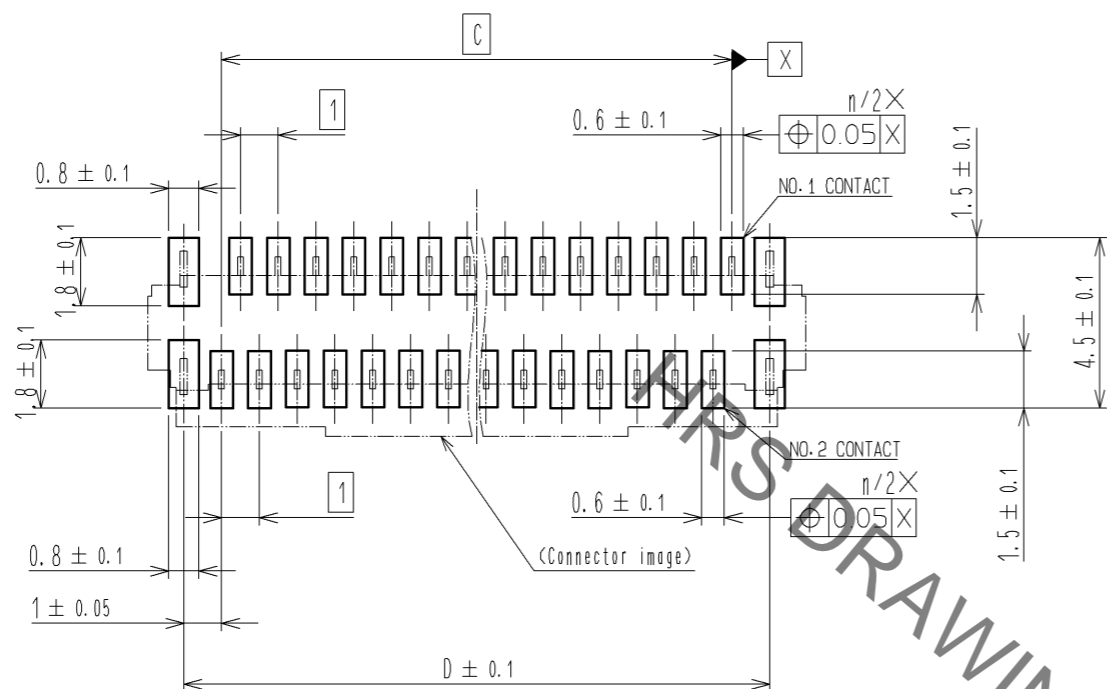
- NOTE 1 THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.  
 2 LEAD CO-PLANARITY SHALL BE 0.1 MAX.  
 3 SEE DIMENSION TABLE IN THE APPENDIX.  
 4 MATERIAL
- | NUMBER OF CONTACTS | MATERIAL  |
|--------------------|-----------|
| 60                 | LCP       |
| OTHER              | POLYAMIDE |
- 5 DIFFERENCES OF THE GOLD PLATED AREA DO NOT INFLUENCE ON THE PRODUCT PERFORMANCE.  
 6 'n' REPRESENTS THE NUMBER OF CONTACTS.

4	BRASS	TIN PLATING 1μm MIN-OVER NICKEL 1μm MIN.						
3	PHOSPHOR BRONZE	(CONTACT AREA, LEAD) GOLD PLATING 0.05μmMIN OVER NICKEL 1μmMIN (OTHER) NICKEL PLATING 1μmMIN	8	(CONNECTOR)				
2	PPS	(DEEP BROWN) UL94V-0	7	POLYSTYRENE				
1	4	(BEIGE) UL94V-0	6	POLYESTER				
			5	POLYSTYRENE				
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS			
UNITS	mm	SCALE	5 : 1	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
<b>HRS</b> HIROSE ELECTRIC CO., LTD.		APPROVED : HS. SAKAMOTO	14.02.15	DRAWING NO.	EDC3-159266-03			
		CHECKED : HS. SAKAMOTO	14.02.15	PART NO.	FH12-**S-0.5SVA(54)			
		DESIGNED : RT. IKEDA	14.02.13	CODE NO.	CL586			
		DRAWN : NM. SANPEI	14.02.12					

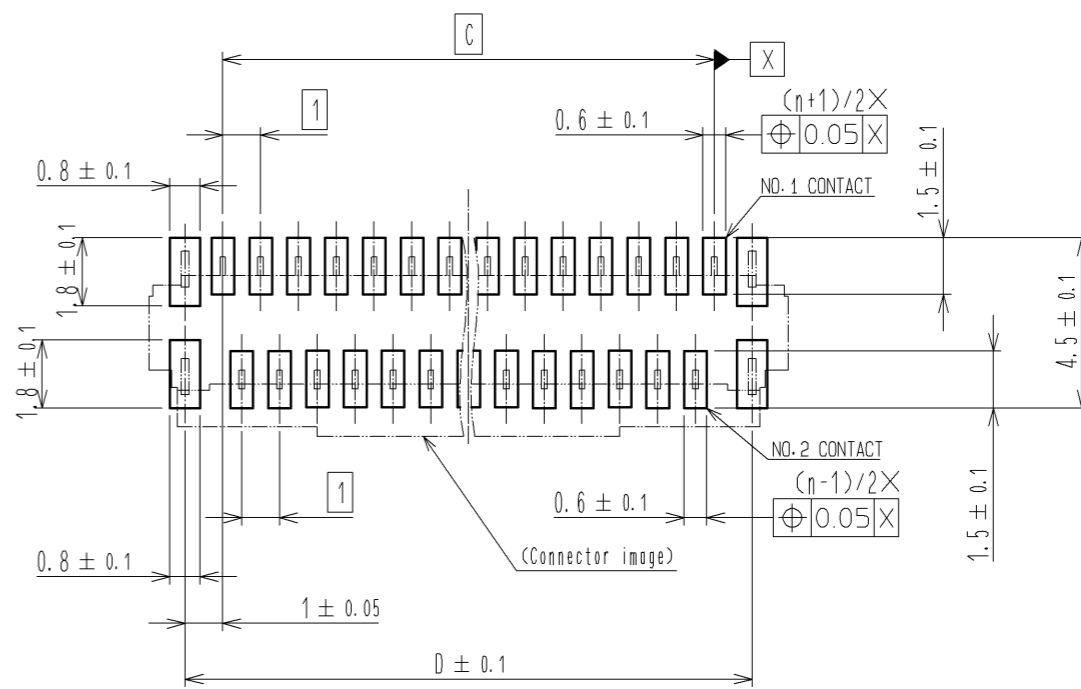
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RECOMMENDED PCB MOUNTING PATTERN

NUMBER OF CONTACTS: EVEN NUMBER

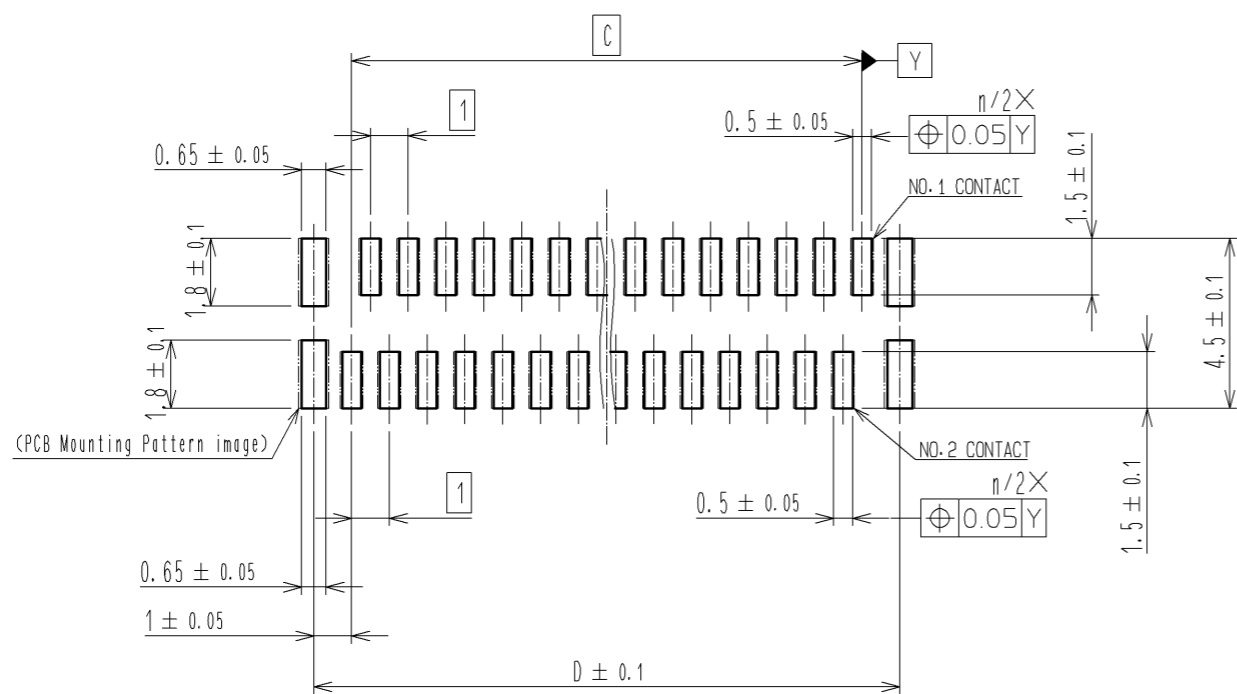


NUMBER OF CONTACTS: ODD NUMBER

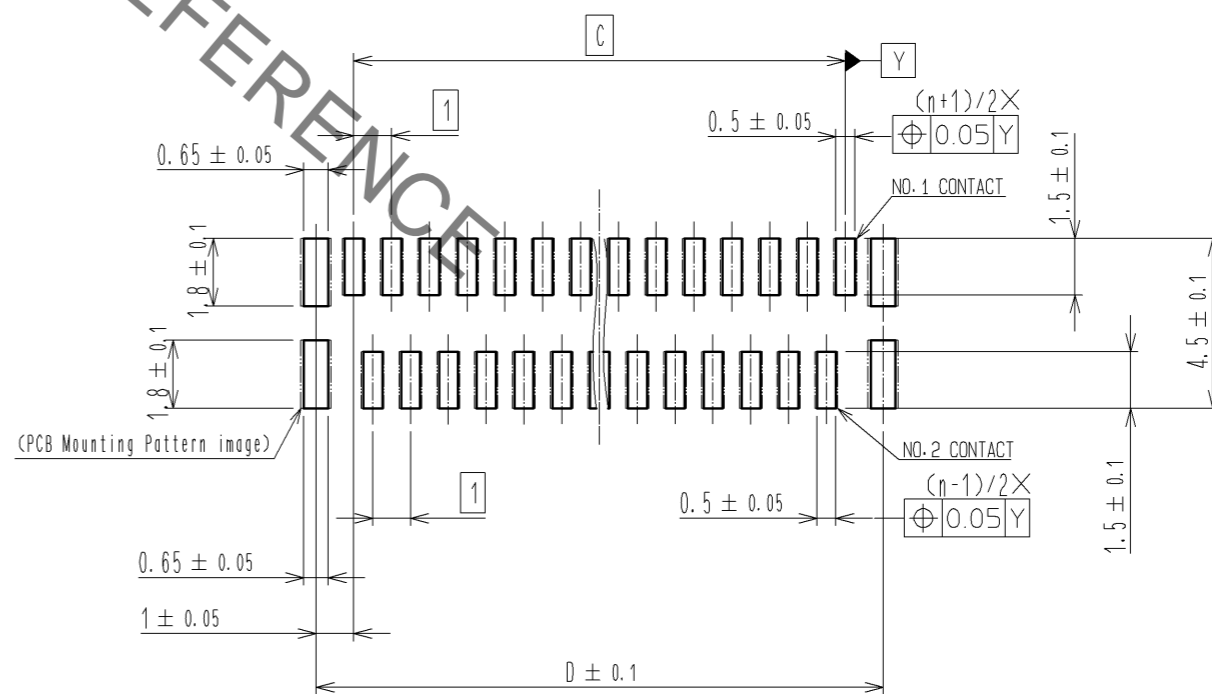


RECOMMENDED STENCIL PATTERN  
 (RECOMMENDED STENCIL THICKNESS: t=0.15)

NUMBER OF CONTACTS: EVEN NUMBER



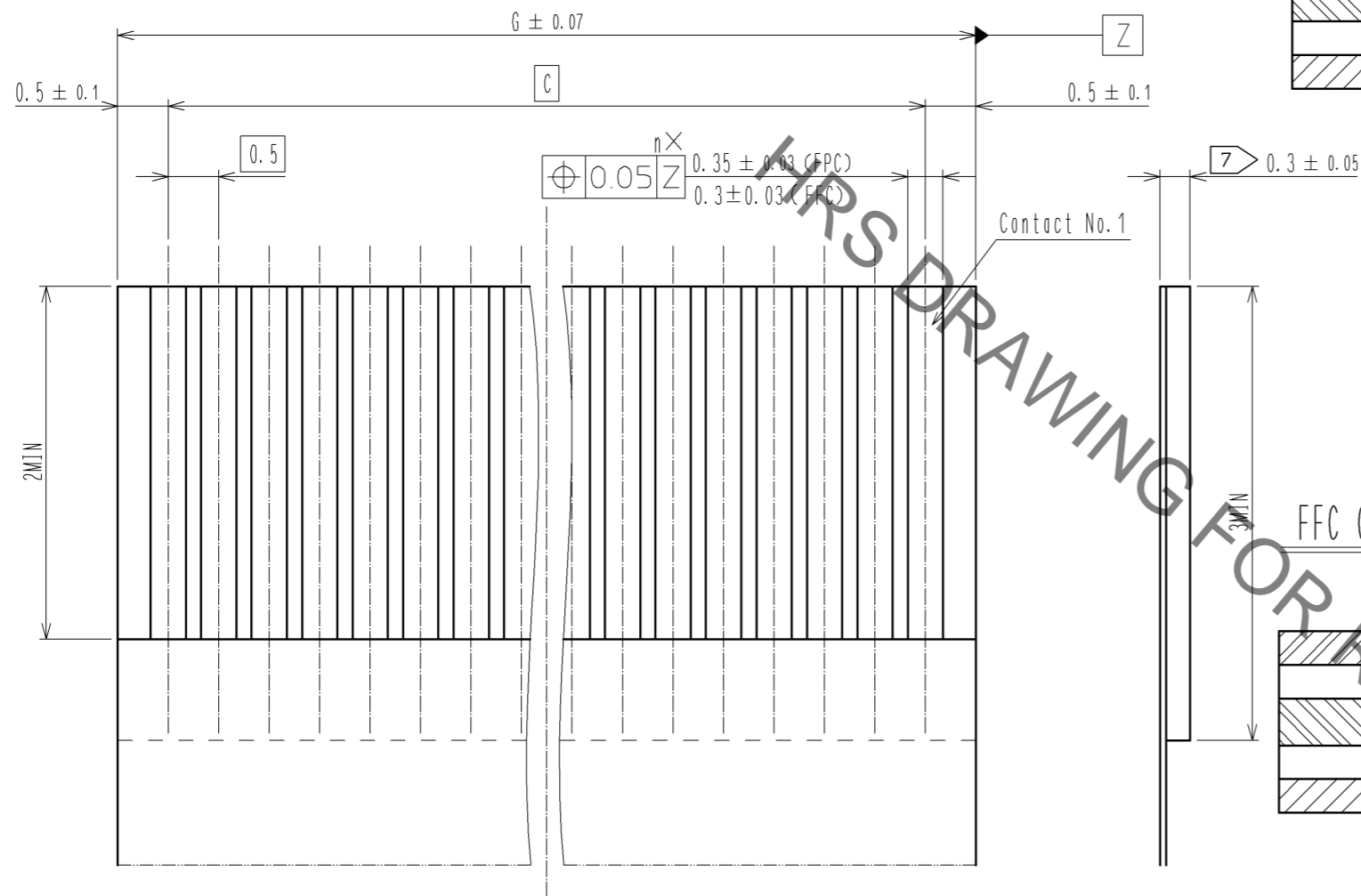
NUMBER OF CONTACTS: ODD NUMBER



<b>HRS</b>	DRAWING NO.	EDC3-159266-03
	PART NO.	FH12-**S-0.5SVA(54)
	CODE NO.	CL586
		2/5

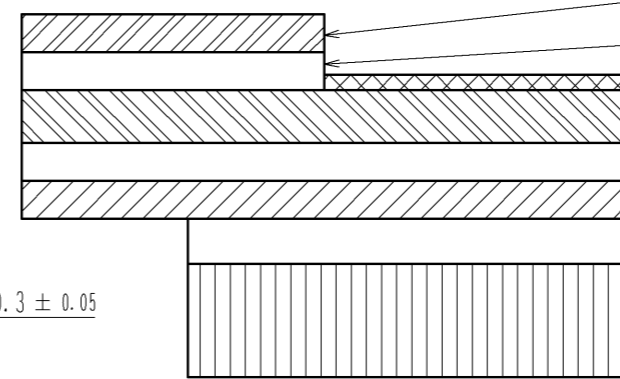
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RECOMMENDED FPC/FFC (15:1)



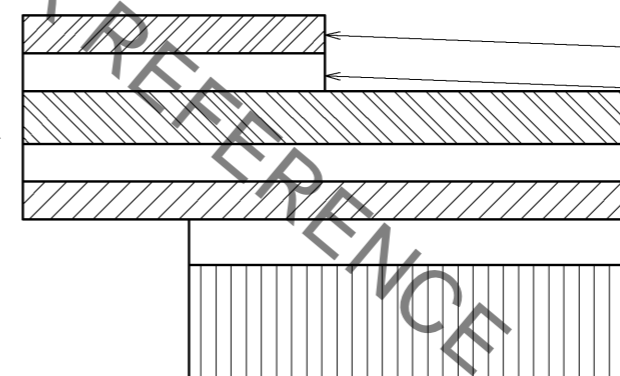
7 THICKNESS OF SUPPORTING TAPE SHALL BE 0.188(7.5MIL) MIN.

FPC CONFIGURATION (REFERENCE EXAMPLE) (SCALE:FREE)



MATERIAL NAME	MATERIAL	THICKNESS(μm)
COVERING FILM LAYER	POLYIMIDE 1mil thick.	(25)
COVER ADHESIVE		(25)
SURFACE TREATMENT	NICKEL UNDERCOAT 1 to 5μm + GOLD PLATING 0.2μm	3
COPPER FOIL	CU 1 oz	35
BASE ADHESIVE	HEAT-HARDENED ADHESIVE	25
BASE FILM	POLYIMIDE 1mil thick	25
REINFORCEMENT MATERIAL ADHESIVE	HEAT-HARDENED ADHESIVE	30
STIFFENER FILM	POLYIMIDE 7mil thick	175

FFC CONFIGURATION (REFERENCE EXAMPLE) (SCALE:FREE)



MATERIAL NAME	MATERIAL	THICKNESS(μm)
POLYESTER FILM		(12)
ADHESIVE	THERMOPLASTIC POLYESTER	(30)
GOLD PLATED SOFT COPPER FILM		35
ADHESIVE	POLYESTER	30
POLYESTER		12
ADHESIVE	POLYESTER	30
STIFFENER FILM	POLYESTER	188

**HRS**

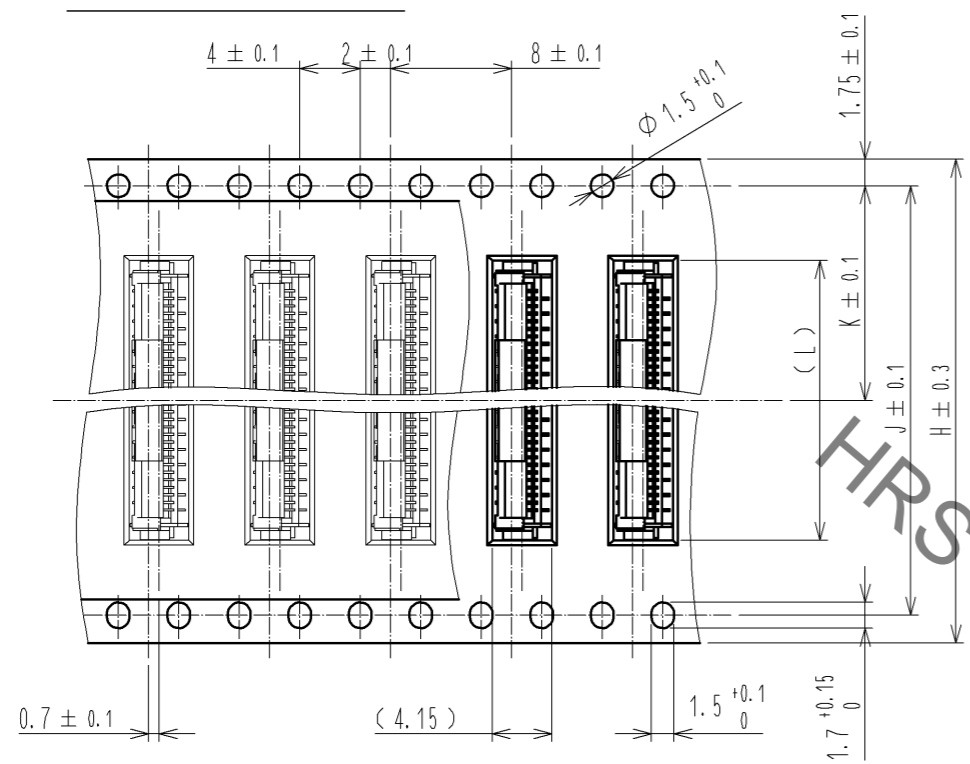
DRAWING NO.	EDC3-159266-03
PART NO.	FH12-**S-0.5SVA(54)
CODE NO.	CL586

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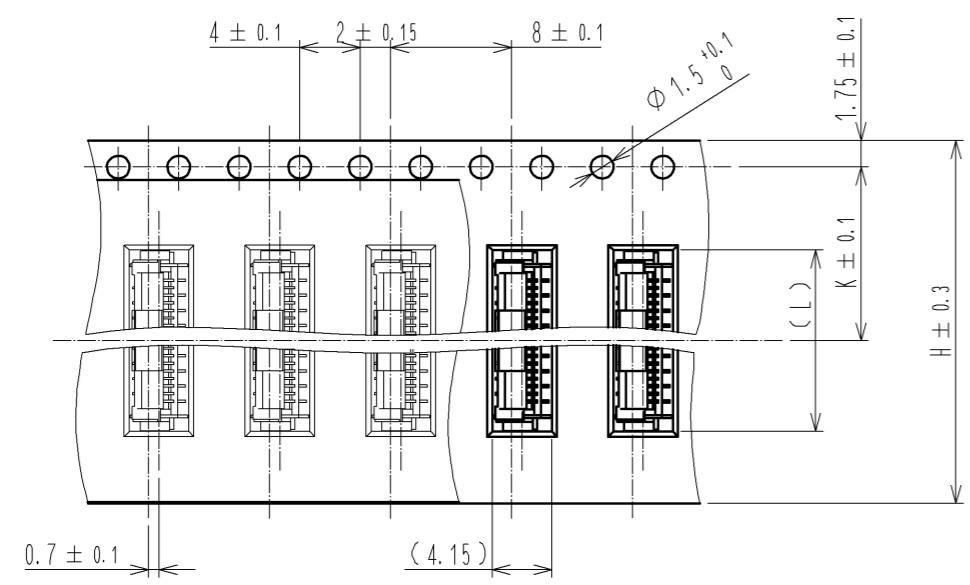
EMBOSSED CARRIER TAPE DIMENSION (2:1)

TAPE WIDTH : 32mm MIN

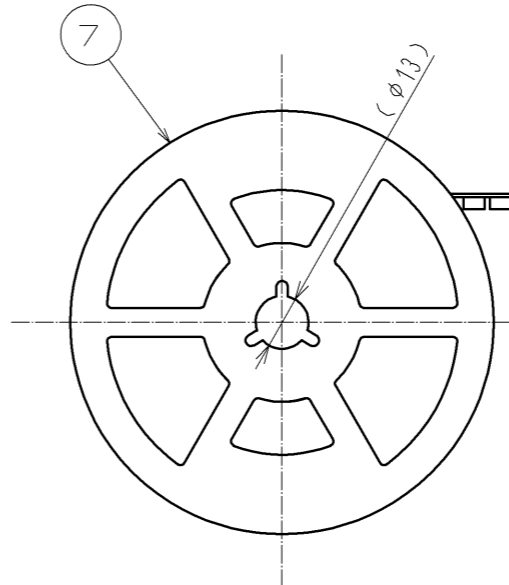
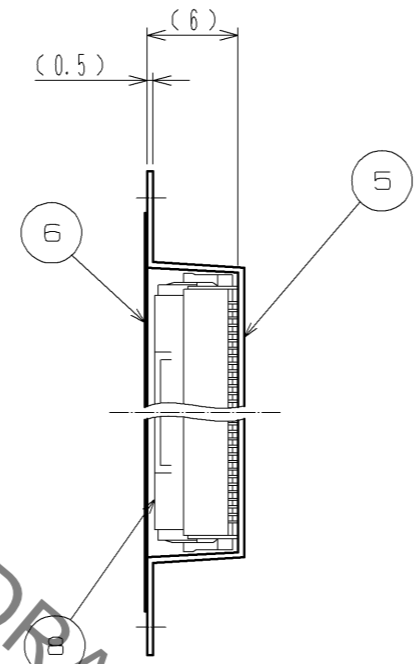


DIRECTION OF UNREELING

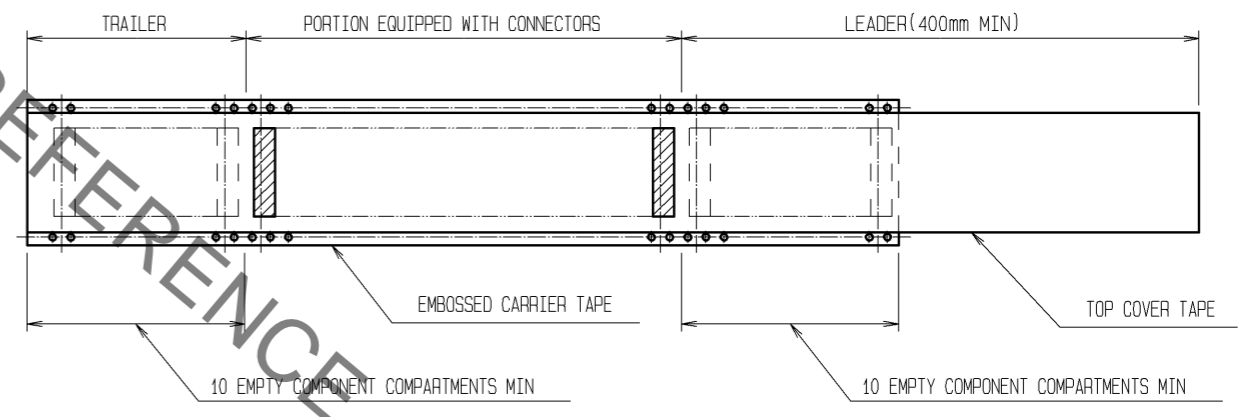
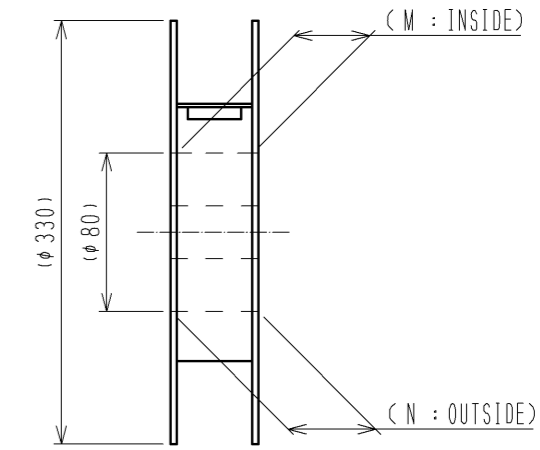
TAPE WIDTH : 24mm MAX



DIRECTION OF UNREELING



REEL DIMENSION(SHOW AS BELOW)(FREE)



NOTE 8 1REEL : 1000 CONNECTORS.

DRAWING FOR PACKING

<b>HRS</b>	DRAWING NO.	EDC3-159266-03
	PART NO.	FH12-**S-0.5SVA(54)
	CODE NO.	CL586
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PART NO.	CODE NO.	NUMBER OF CONTACTS	DIMENSION TABLE OF CONNECTOR, FPC, FFC, PCB MOUNTING PATTERN AND STENCIL PATTERN							DIMENSION TABLE OF DRAWING FOR PACKING					
			A	B	C	D	E	F	G	H	J	K	L	M	N
FH12- 6S-0.5SVA(54)	CL586-0756-4-54	6	6.4	4.9	2.5	4.5	6.2	2	3.5	16	—	7.5	6.5	17.4	21.4
FH12-10S-0.5SVA(54)	CL586-0806-0-54	10	8.4	6.9	4.5	6.5	8.2	4	5.5	16	—	7.5	8.5	17.4	21.4
FH12-12S-0.5SVA(54)	CL586-0757-7-54	12	9.4	7.9	5.5	7.5	9.2	4	6.5	16	—	7.5	9.5	17.4	21.4
FH12-13S-0.5SVA(54)	CL586-0807-3-54	13	9.9	8.4	6	8	9.7	4	7	24	—	11.5	10	25.4	29.4
FH12-15S-0.5SVA(54)	CL586-0808-6-54	15	10.9	9.4	7	9	10.7	4	8	24	—	11.5	11	25.4	29.4
FH12-16S-0.5SVA(54)	CL586-0809-9-54	16	11.4	9.9	7.5	9.5	11.2	4	8.5	24	—	11.5	11.5	25.4	29.4
FH12-17S-0.5SVA(54)	CL586-0810-8-54	17	11.9	10.4	8	10	11.7	4	9	24	—	11.5	12	25.4	29.4
FH12-18S-0.5SVA(54)	CL586-0811-0-54	18	12.4	10.9	8.5	10.5	12.2	4	9.5	24	—	11.5	12.5	25.4	29.4
FH12-20S-0.5SVA(54)	CL586-0812-3-54	20	13.4	11.9	9.5	11.5	13.2	4	10.5	24	—	11.5	13.5	25.4	29.4
FH12-22S-0.5SVA(54)	CL586-0813-6-54	22	14.4	12.9	10.5	12.5	14.2	8	11.5	24	—	11.5	14.5	25.4	29.4
FH12-24S-0.5SVA(54)	CL586-0814-9-54	24	15.4	13.9	11.5	13.5	15.2	8	12.5	24	—	11.5	15.5	25.4	29.4
FH12-26S-0.5SVA(54)	CL586-0815-1-54	26	16.4	14.9	12.5	14.5	16.2	8	13.5	24	—	11.5	16.5	25.4	29.4
FH12-30S-0.5SVA(54)	CL586-0750-8-54	30	18.4	16.9	14.5	16.5	18.2	8	15.5	32	28.4	14.2	18.5	33.4	37.4
FH12-32S-0.5SVA(54)	CL586-0816-4-54	32	19.4	17.9	15.5	17.5	19.2	8	16.5	32	28.4	14.2	19.5	33.4	37.4
FH12-33S-0.5SVA(54)	CL586-0818-0-54	33	19.9	18.4	16	18	19.7	8	17	32	28.4	14.2	20	33.4	37.4
FH12-34S-0.5SVA(54)	CL586-0817-7-54	34	20.4	18.9	16.5	18.5	20.2	8	17.5	44	40.4	20.2	20.5	45.4	49.4
FH12-36S-0.5SVA(54)	CL586-0819-2-54	36	21.4	19.9	17.5	19.5	21.2	8	18.5	44	40.4	20.2	21.5	45.4	49.4
FH12-40S-0.5SVA(54)	CL586-0804-5-54	40	23.4	21.9	19.5	21.5	23.2	8	20.5	44	40.4	20.2	23.5	45.4	49.4
FH12-45S-0.5SVA(54)	CL586-0820-1-54	45	25.9	24.4	22	24	25.7	8	23	44	40.4	20.2	26	45.4	49.4
FH12-49S-0.5SVA(54)	CL586-0821-4-54	49	27.9	26.4	24	26	27.7	8	25	44	40.4	20.2	28	45.4	49.4
FH12-50S-0.5SVA(54)	CL586-0805-8-54	50	28.4	26.9	24.5	26.5	28.2	8	25.5	44	40.4	20.2	28.5	45.4	49.4
FH12-60S-0.5SVA(54)	CL586-0749-9-54	60	33.4	31.9	29.5	31.5	33.2	8	30.5	56	52.4	26.2	33.5	57.4	61.4

<b>HRS</b>	DRAWING NO.	EDC3-159266-03
	PART NO.	FH12-**S-0.5SVA(54)
	CODE NO.	CL586
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