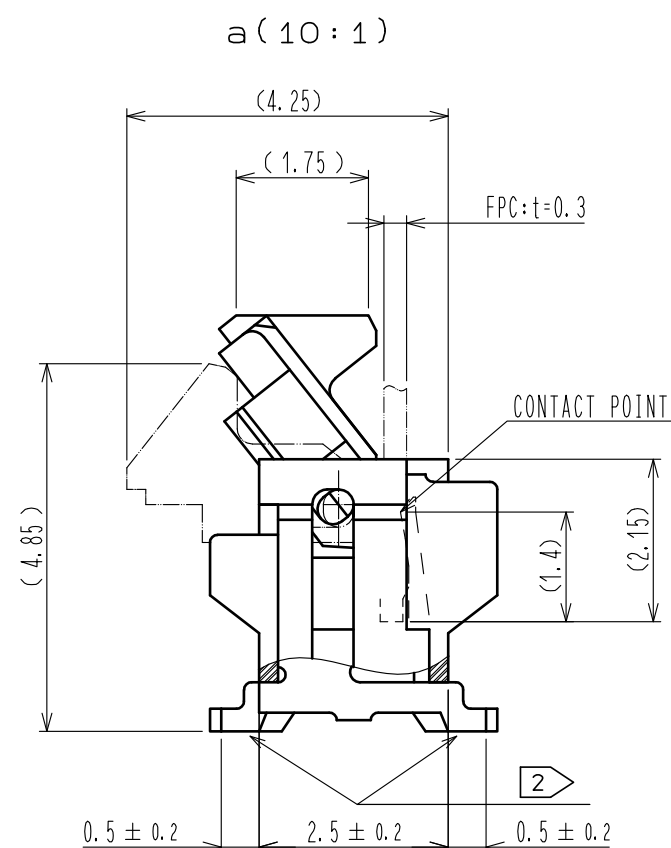
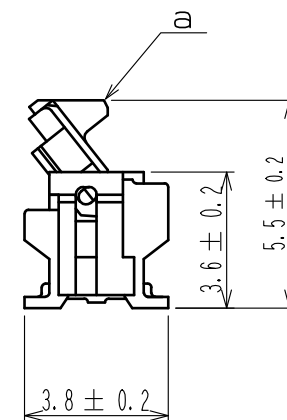
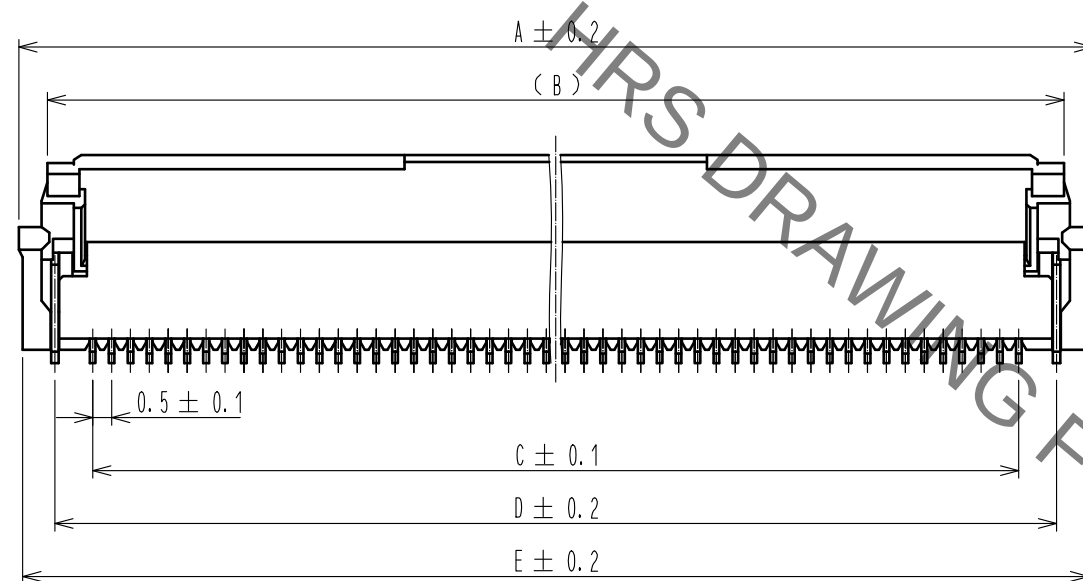
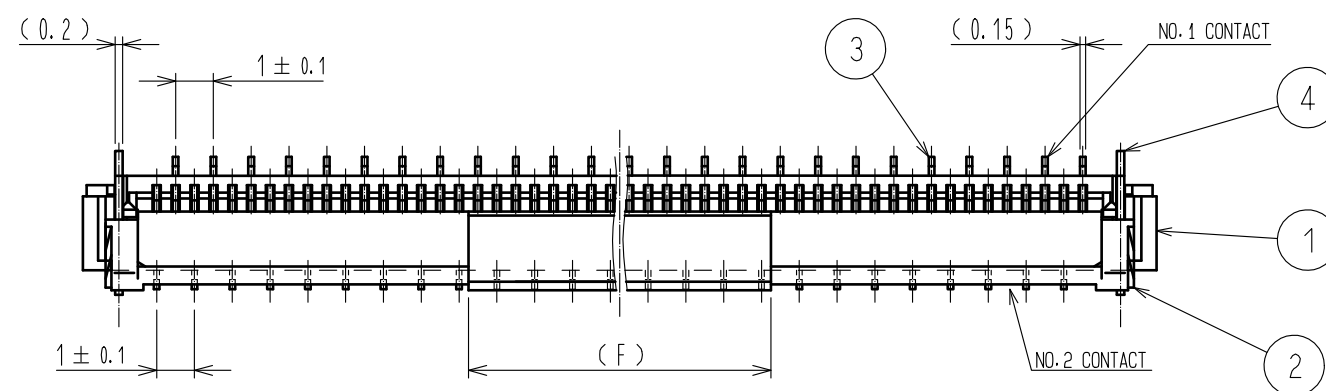


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A
B
C
D
E
F

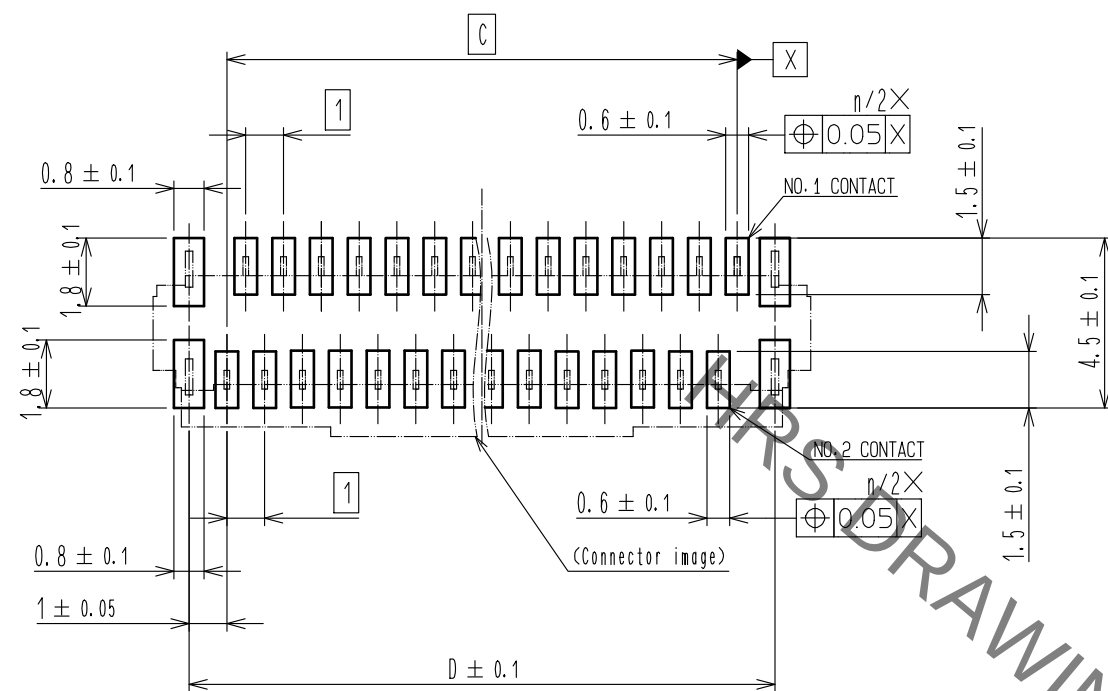


- NOTE 1 THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
- 2 LEAD CO-PLANARITY SHALL BE 0.1 MAX.
- 3 SEE DIMENSION TABLE IN THE APPENDIX.
- 4 MATERIAL
- | NUMBER OF CONTACTS | MATERIAL |
|--------------------|-----------|
| 60 | LCP |
| OTHER | POLYAMIDE |
- 5 DIFFERENCES OF THE GOLD PLATED AREA DO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

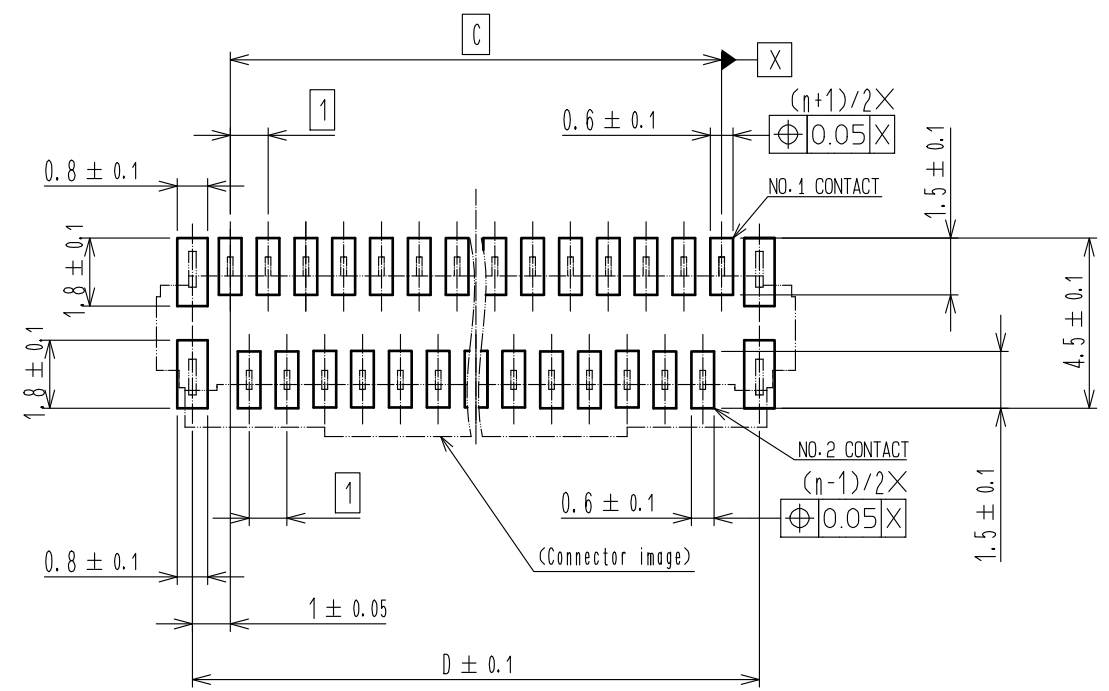
3	PHOSPHOR BRONZE	<CONTACT AREA, LEAD> GOLD PLATING 0.05μmMIN OVER NICKEL 1μmMIN <OTHER> NICKEL PLATING 1μmMIN	8	(CONNECTOR)	
			7	POLYSTYRENE	
			6	POLYESTER	
2	PPS	(DEEP BROWN) UL94V-0	5	POLYSTYRENE	
1	4	(BEIGE) UL94V-0	4	BRASS	TIN PLATING 1μm MIN. OVER NICKEL 1μm MIN.
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS
UNITS mm		SCALE 5 : 1	COUNT 	DESCRIPTION OF REVISIONS	
HIROSE ELECTRIC CO., LTD.		APPROVED : NF. MIYAZAKI	17. 03. 01	DRAWING NO.	EDC-375800-00-00
		CHECKED : FN. TAMURA	17. 03. 01	PART NO.	FH12- * * S-0. 5SVA(98)
		DESIGNED : RT. IKEDA	17. 03. 01	CODE NO.	CL586
		DRAWN : RK. OGASAWARA	17. 03. 01		
				DESIGNED	CHECKED
				DATE	

RECOMMENDED PCB MOUNTING PATTERN

NUMBER OF CONTACTS: EVEN NUMBER

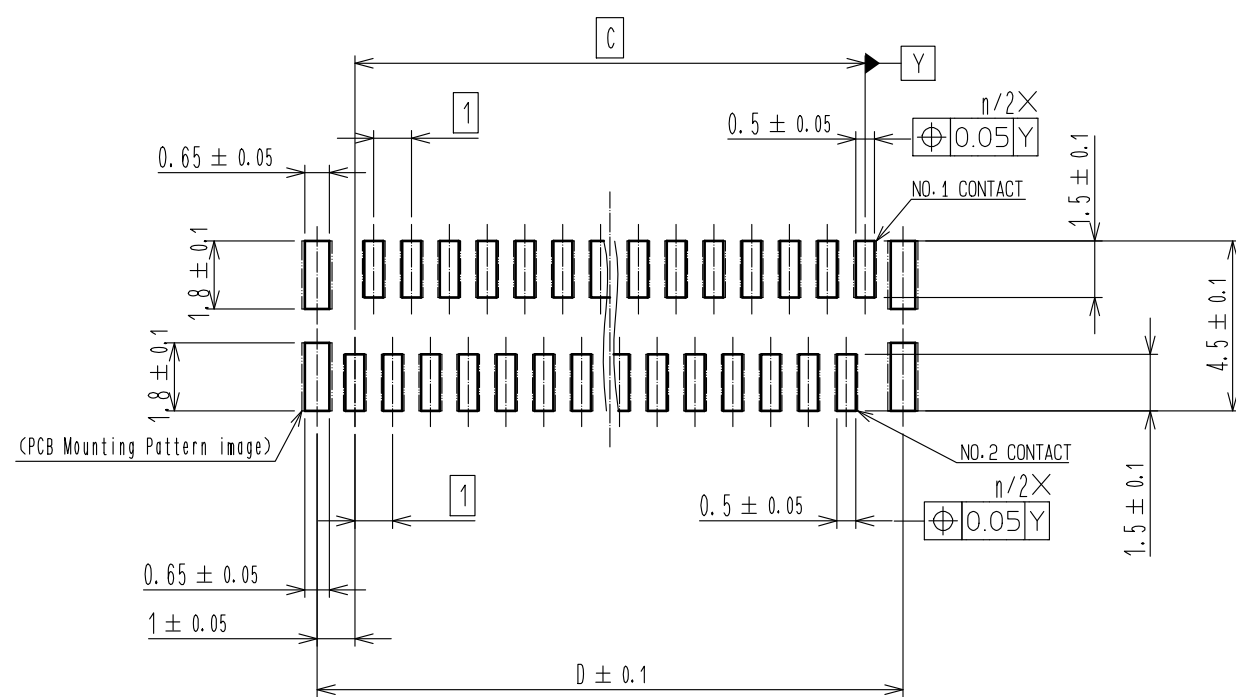


NUMBER OF CONTACTS: ODD NUMBER

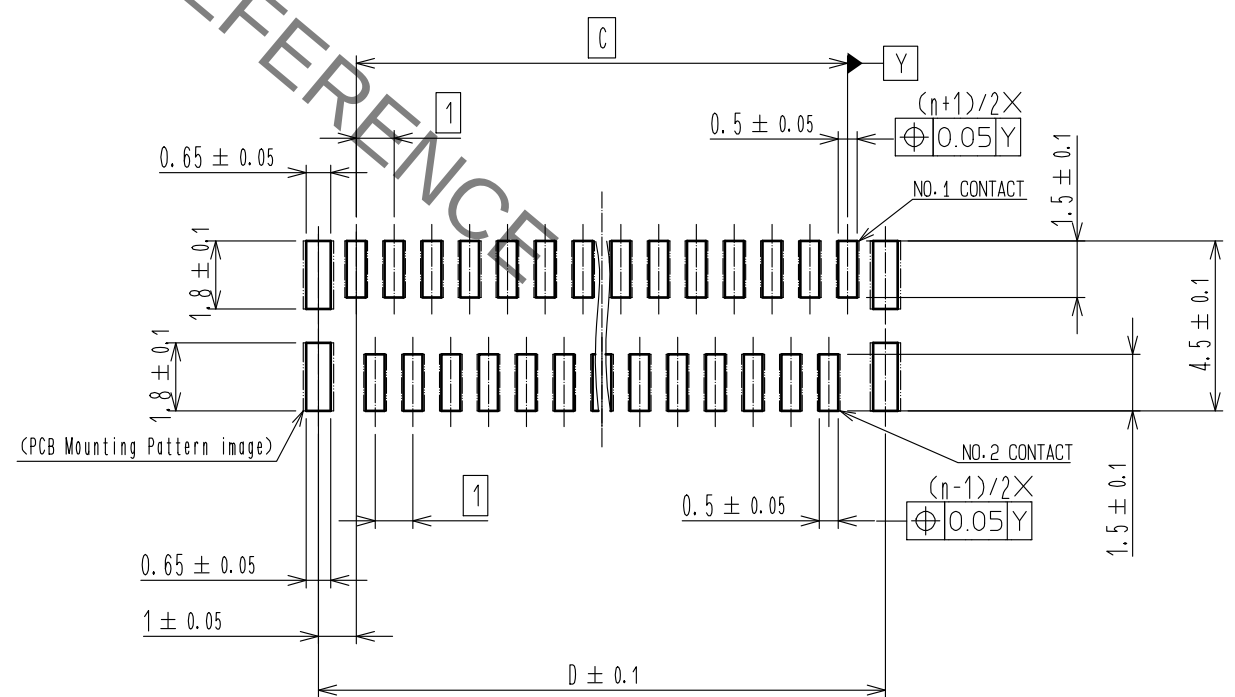


RECOMMENDED STENCIL PATTERN (RECOMMENDED STENCIL THICKNESS: $t=0.15$)

NUMBER OF CONTACTS: EVEN NUMBER



NUMBER OF CONTACTS: ODD NUMBER

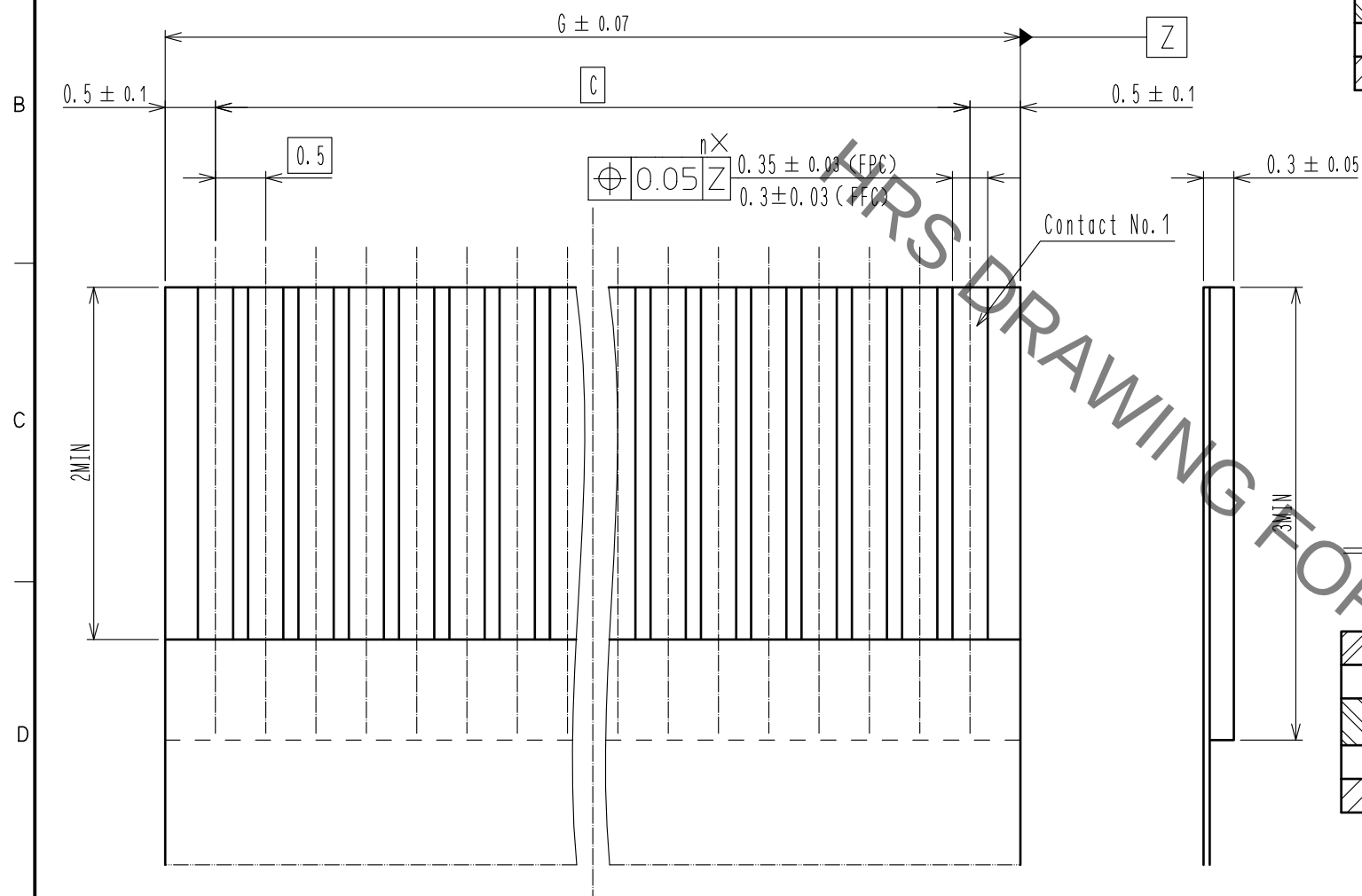


HRS

DRAWING NO.	EDC-375800-00-00
PART NO.	FH12-**S-0.5SVA(98)
CODE NO.	CL586

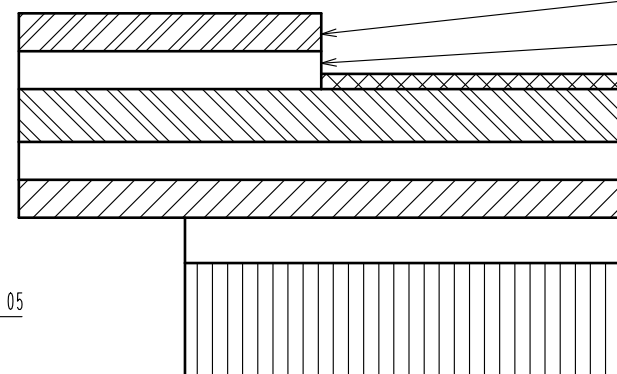
2/5

RECOMMENDED FPC/FFC (15:1)



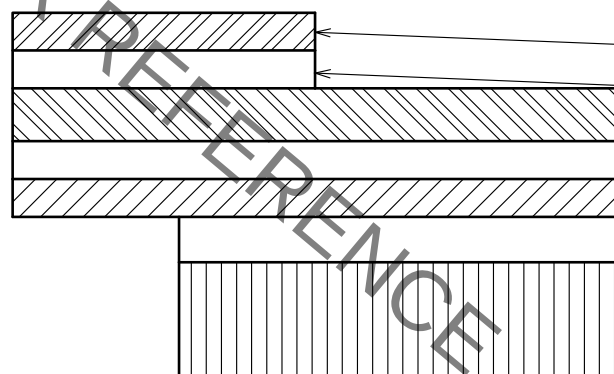
FPC CONFIGURATION (REFERENCE EXAMPLE) (SCALE:FREE)

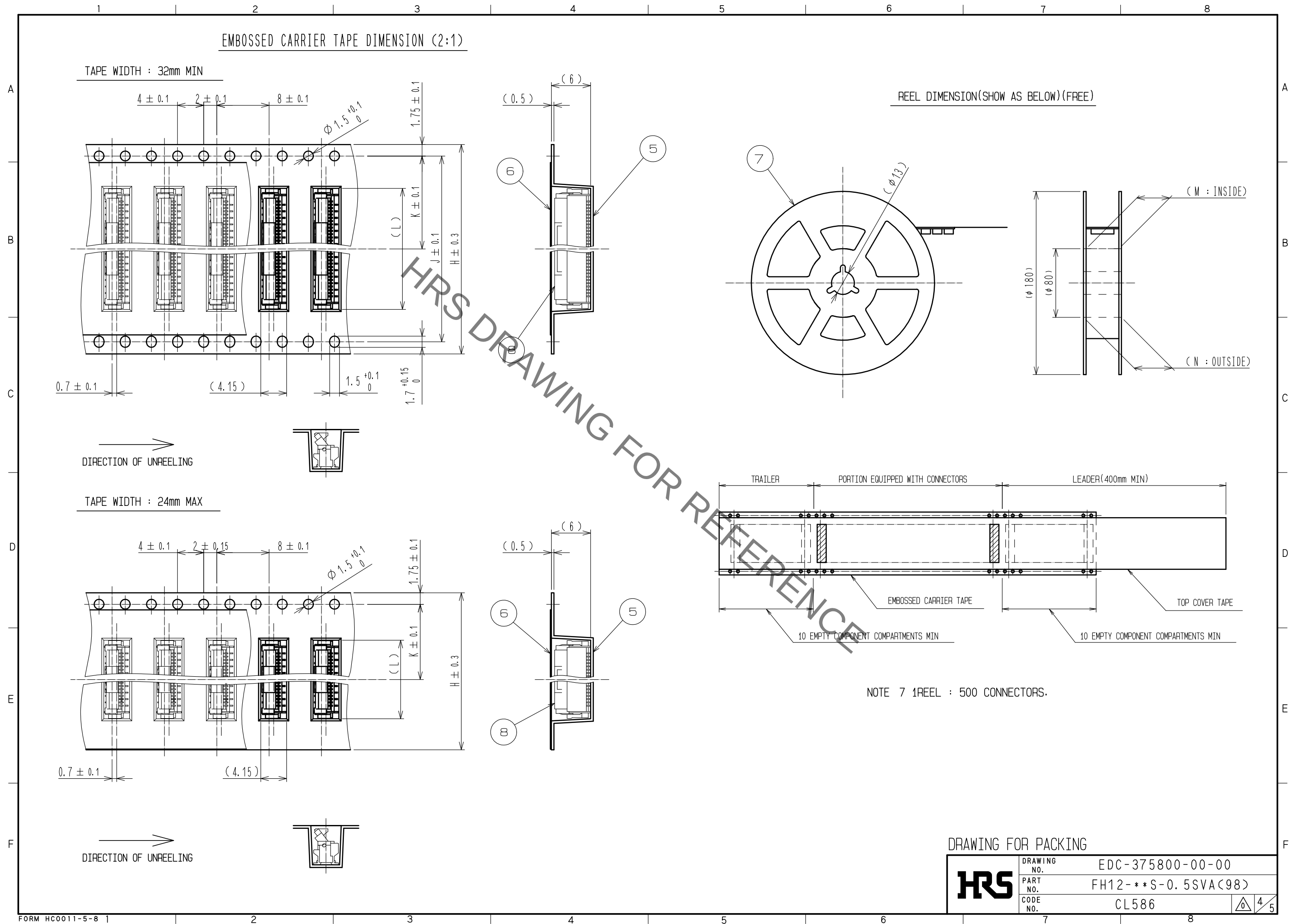
MATERIAL NAME	MATERIAL	THICKNESS(μm)
COVERING FILM LAYER	POLYIMIDE 1mil thick.	(25)
COVER ADHESIVE		(25)
SURFACE TREATMENT	NICKEL UNDERCOAT 1 to 5μm + GOLD PLATING 0.2μm	3
COPPER FOIL	Cu 1 oz	35
BASE ADHESIVE	HEAT-HARDENED ADHESIVE	25
BASE FILM	POLYIMIDE 1mil thick	25
REINFORCEMENT MATERIAL ADHESIVE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





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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(98)	CL586-0756-4-98	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(98)	CL586-0806-0-98	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(98)	CL586-0757-7-98	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(98)	CL586-0807-3-98	13	9.9	8.4	6	8	9.7	4	7		24	—	11.5	10	25.4	29.4
FH12-15S-0.5SVA(98)	CL586-0808-6-98	15	10.9	9.4	7	9	10.7	4	8		24	—	11.5	11	25.4	29.4
FH12-16S-0.5SVA(98)	CL586-0809-9-98	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(98)	CL586-0810-8-98	17	11.9	10.4	8	10	11.7	4	9		24	—	11.5	12	25.4	29.4
FH12-18S-0.5SVA(98)	CL586-0811-0-98	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(98)	CL586-0812-3-98	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(98)	CL586-0813-6-98	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(98)	CL586-0814-9-98	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(98)	CL586-0815-1-98	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(98)	CL586-0750-8-98	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(98)	CL586-0816-4-98	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(98)	CL586-0818-0-98	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(98)	CL586-0817-7-98	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(98)	CL586-0819-2-98	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(98)	CL586-0804-5-98	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(98)	CL586-0820-1-98	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(98)	CL586-0821-4-98	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(98)	CL586-0805-8-98	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(98)	CL586-0749-9-98	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

	DRAWING NO.	EDC-375800-00-00	
	PART NO.	FH12-**S-0.5SVA(98)	
	CODE NO.	CL586	5 5

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