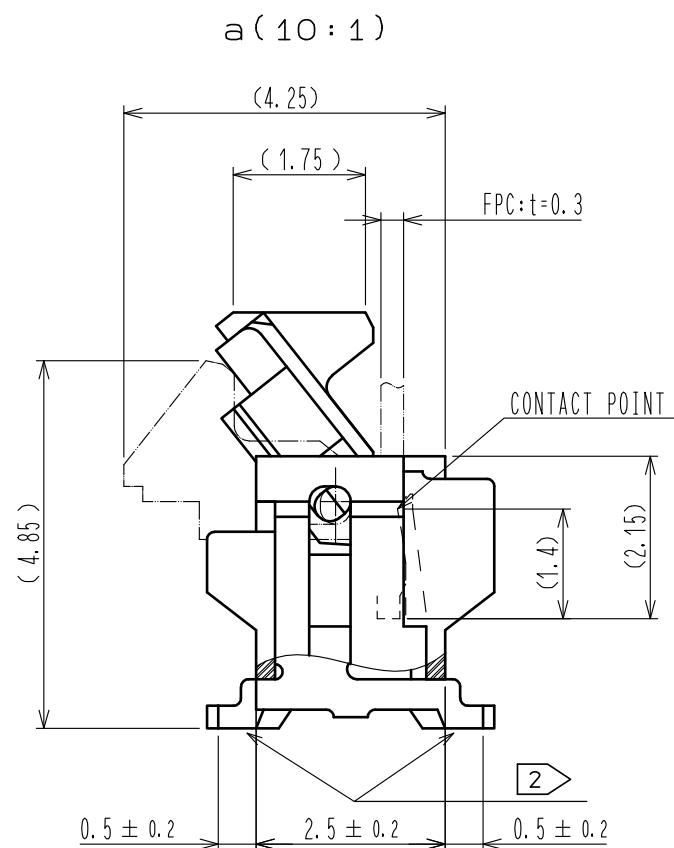
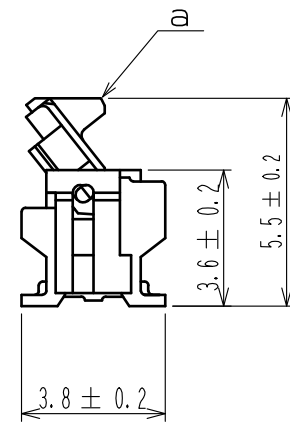
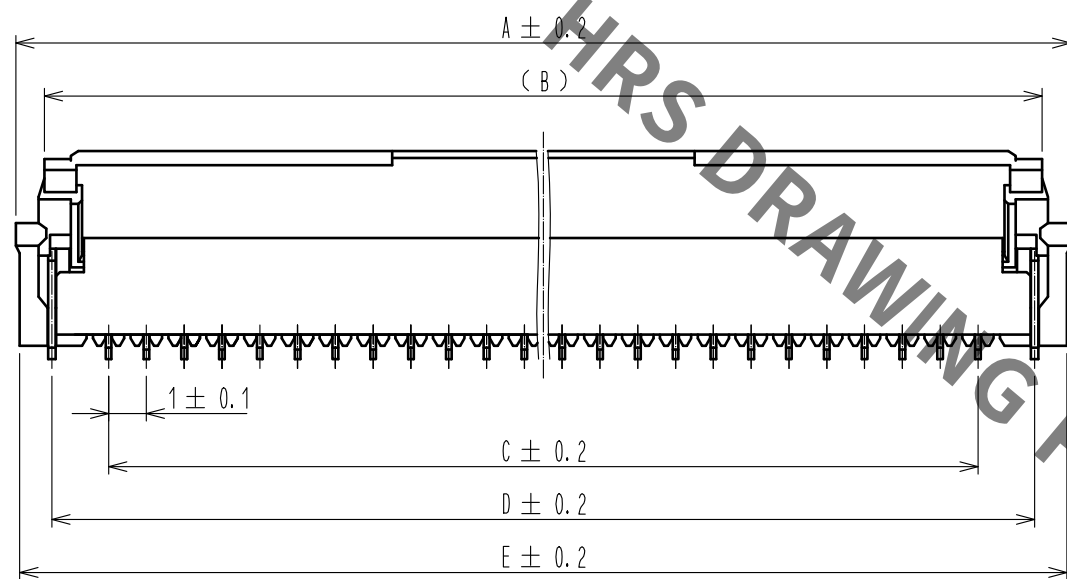
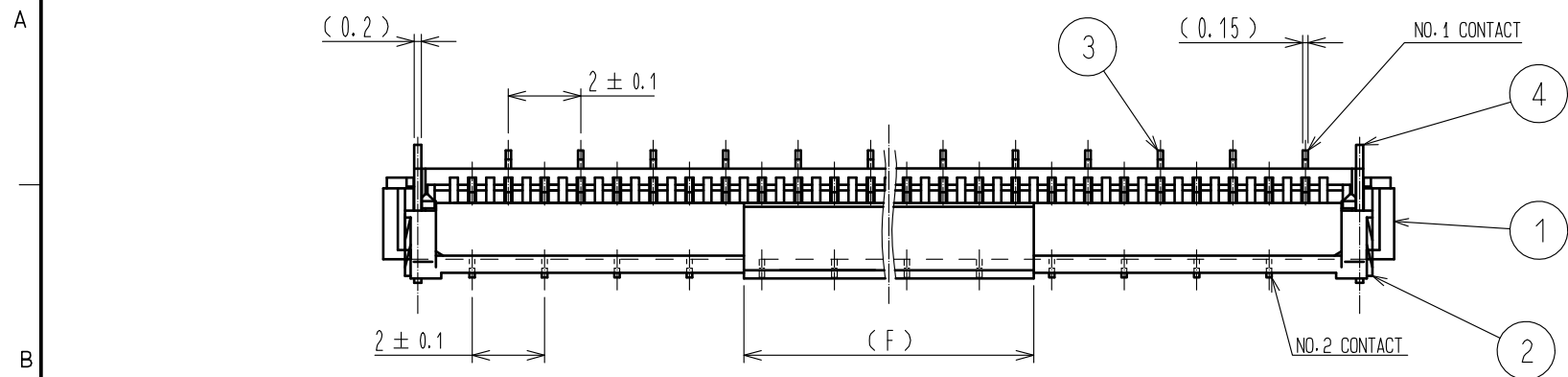




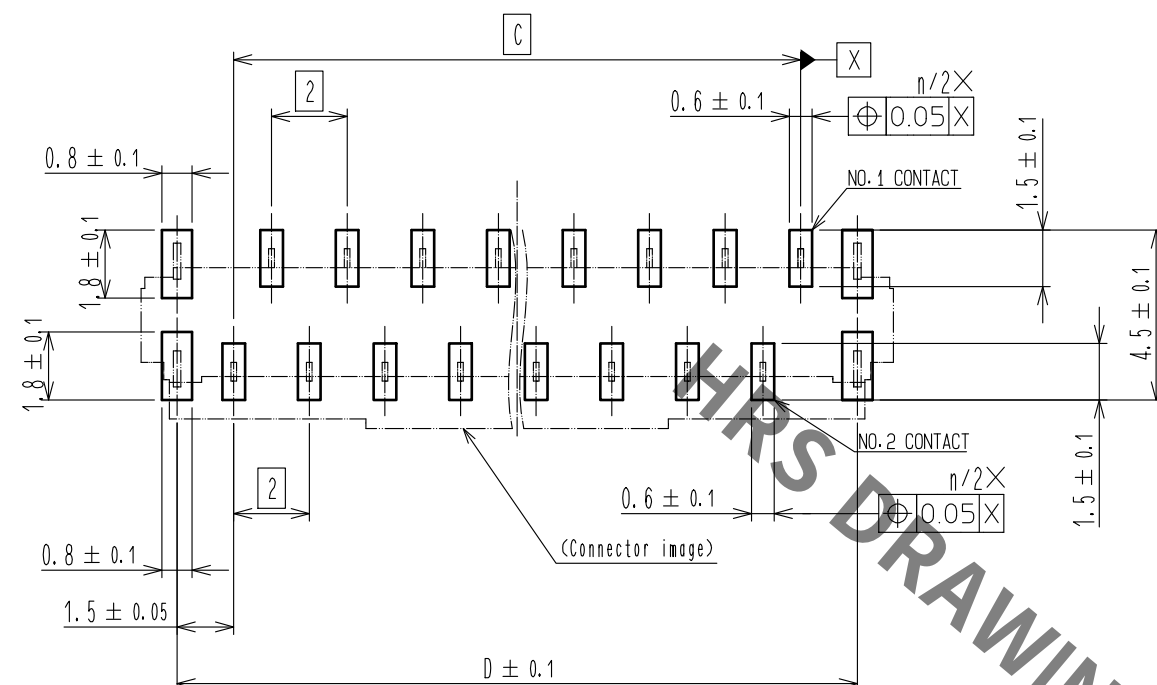
- NOTE 1 THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
- 2 LEAD CO-PLANARITY SHALL BE 0.1 MAX.
- 3 SEE DIMENSION TABLE IN THE APPENDIX.
- 4 DIFFERENCES OF THE GOLD PLATED AREA DO NOT INFLUENCE ON THE PRODUCT PERFORMANCE.
- 5 'n' REPRESENTS THE NUMBER OF CONTACTS.

3	PHOSPHOR BRONZE	(CONTACT AREA, LEAD) GOLD PLATING 0.05μm MIN OVER NICKEL 1μm MIN (OTHER) NICKEL PLATING 1μm MIN	8	(CONNECTOR)	
			7	POLYSTYRENE	
			6	POLYESTER	
2	PPS	(DEEP BROWN) UL94V-0	5	POLYSTYRENE	
1	PA	(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 7	DESCRIPTION OF REVISIONS DIS-F-00004925	
 HIROSE ELECTRIC CO., LTD.		APPROVED : NF. MIYAZAKI	20150916	DRAWING NO.	EDC-366184-00-00
		CHECKED : HS. SAKAMOTO	20150915	PART NO.	FH12- * * S-1SVA(54)
		DESIGNED : SG. MASAKI	20150915	CODE NO.	CL586
		DRAWN : SG. MASAKI	20150915		
		DESIGNED	SE. YOKOYAMA	CHECKED	HS. SAKAMOTO
		DATE	20190718		
				1	5

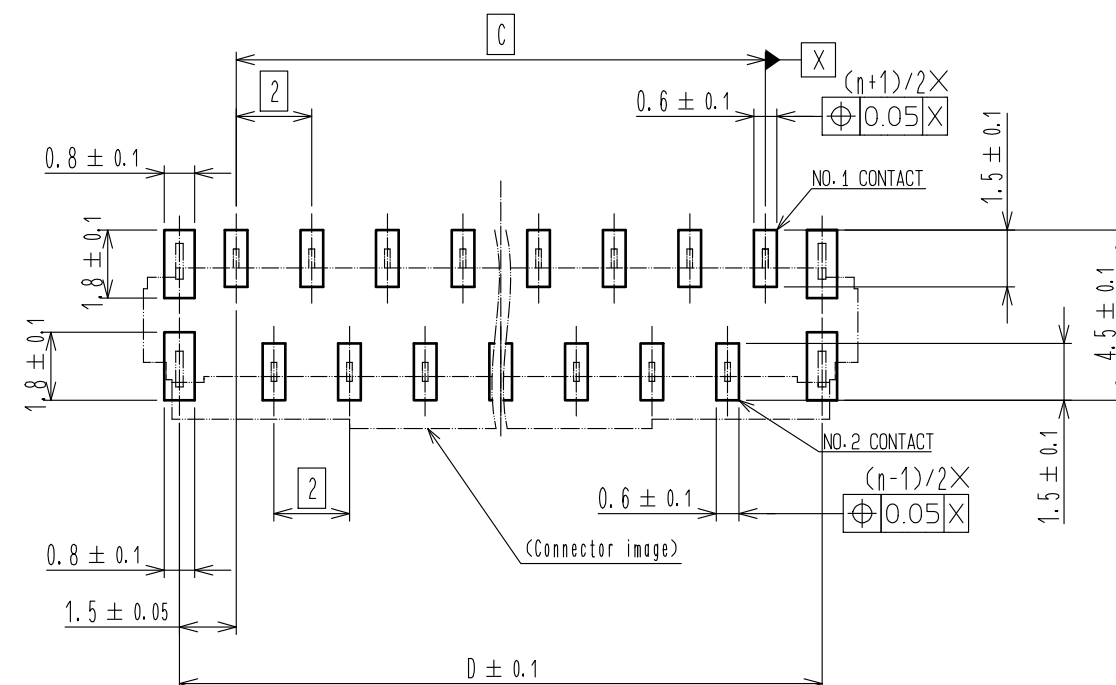
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RECOMMENDED PCB MOUNTING PATTERN

NUMBER OF CONTACTS: EVEN NUMBER

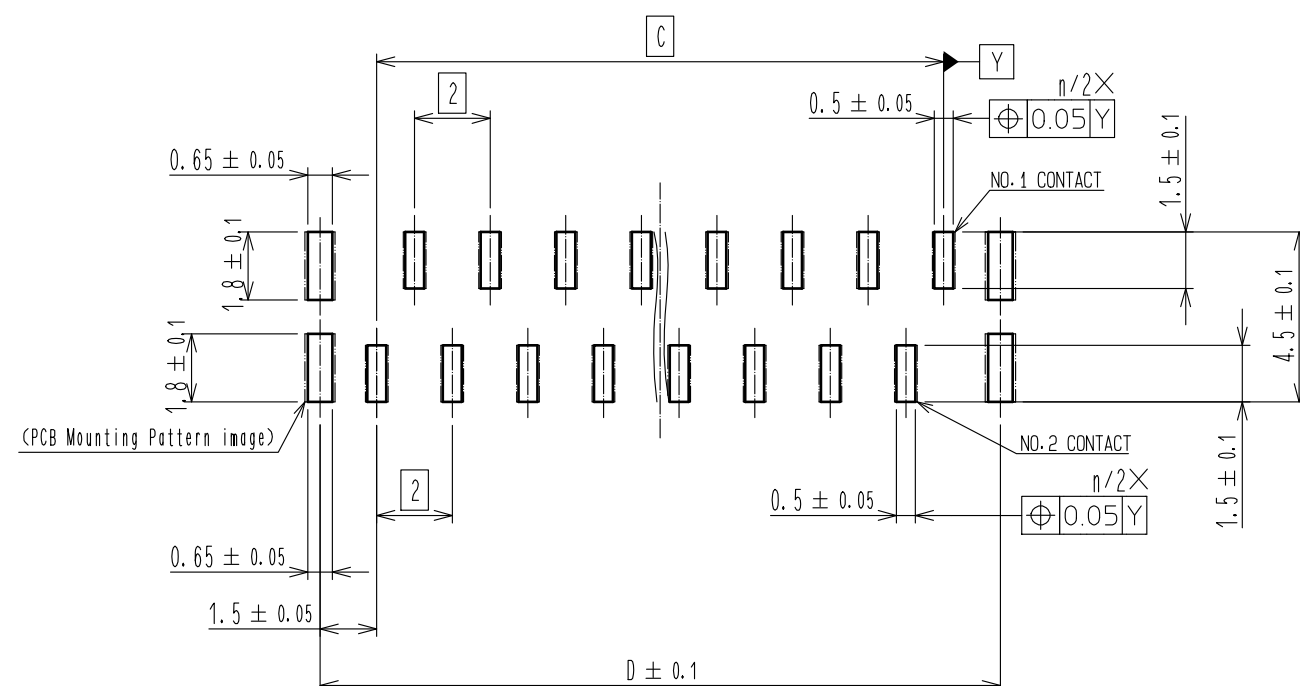


NUMBER OF CONTACTS: ODD NUMBER

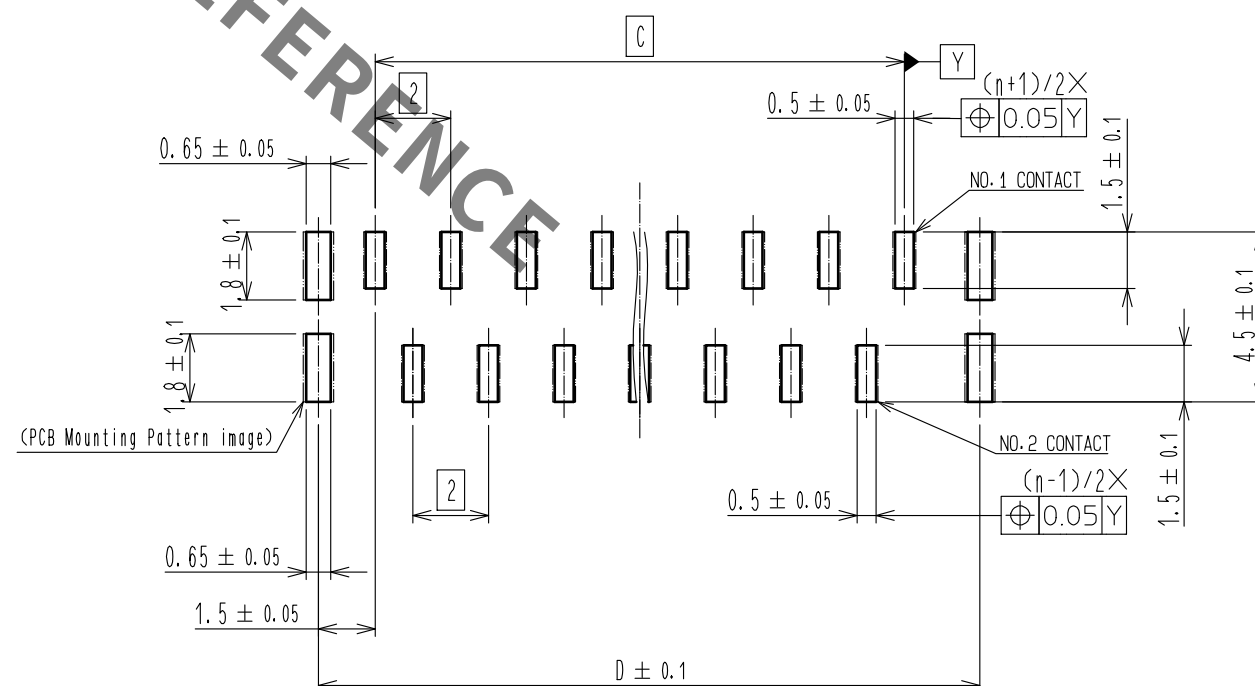


RECOMMENDED STENCIL PATTERN (RECOMMENDED STENCIL THICKNESS: $t=0.15$)

NUMBER OF CONTACTS: EVEN NUMBER



NUMBER OF CONTACTS: ODD NUMBER

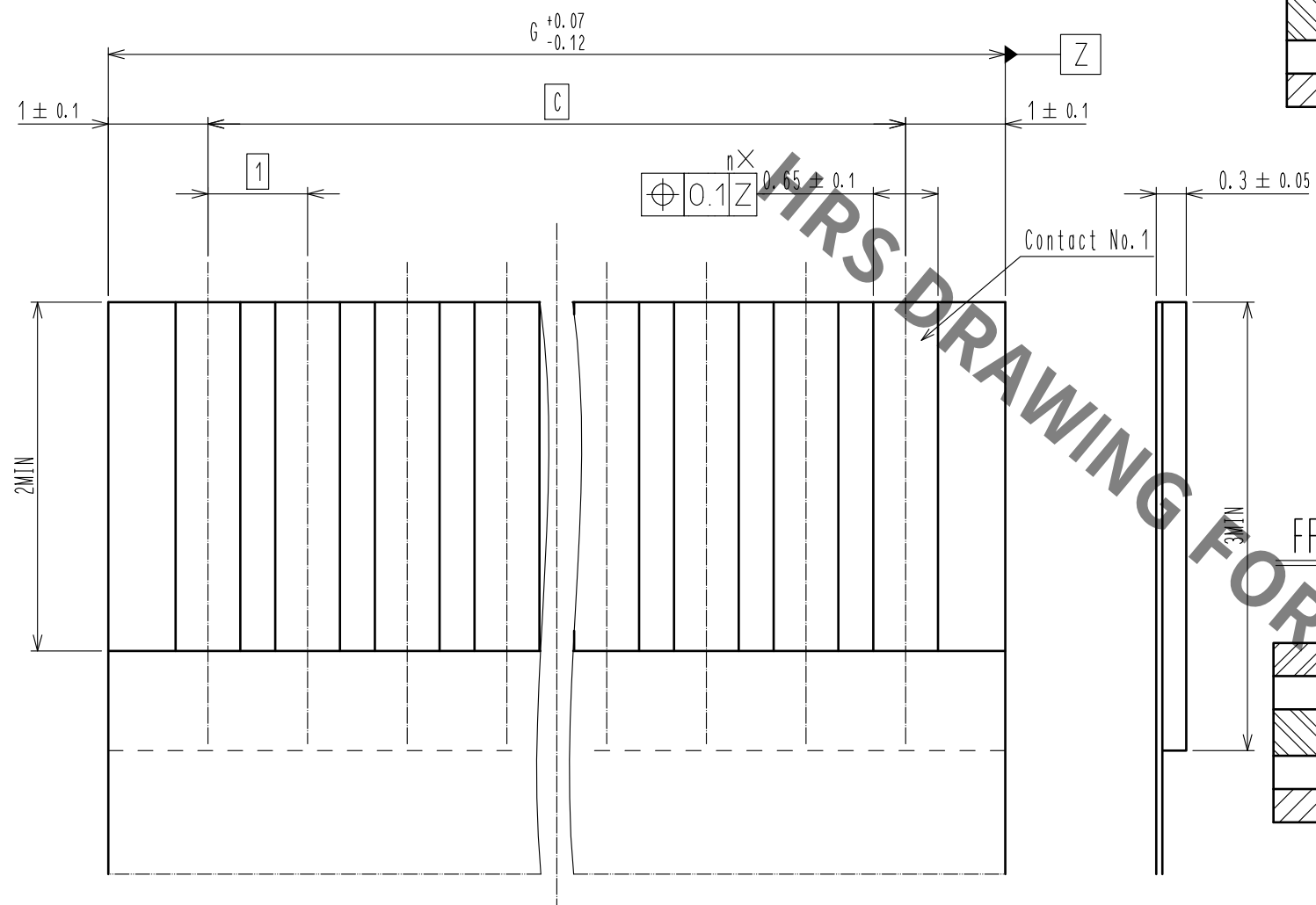


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DRAWING NO.	EDC-366184-00-00
PART NO.	FH12-**S-1SVA(54)
CODE NO.	CL586

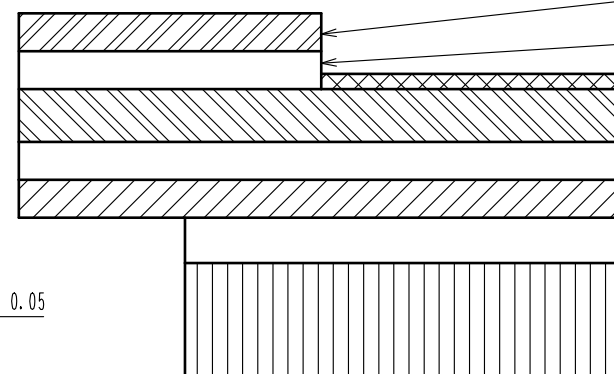
2/5

RECOMMENDED FPC/FFC (15:1)



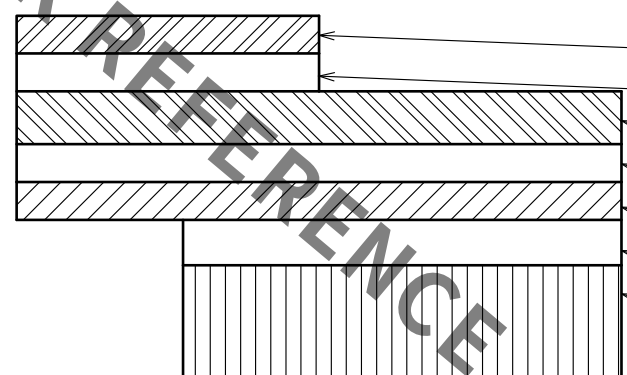
FPC CONFIGURATION (REFERENCE EXAMPLE) (SCALE:FREE)

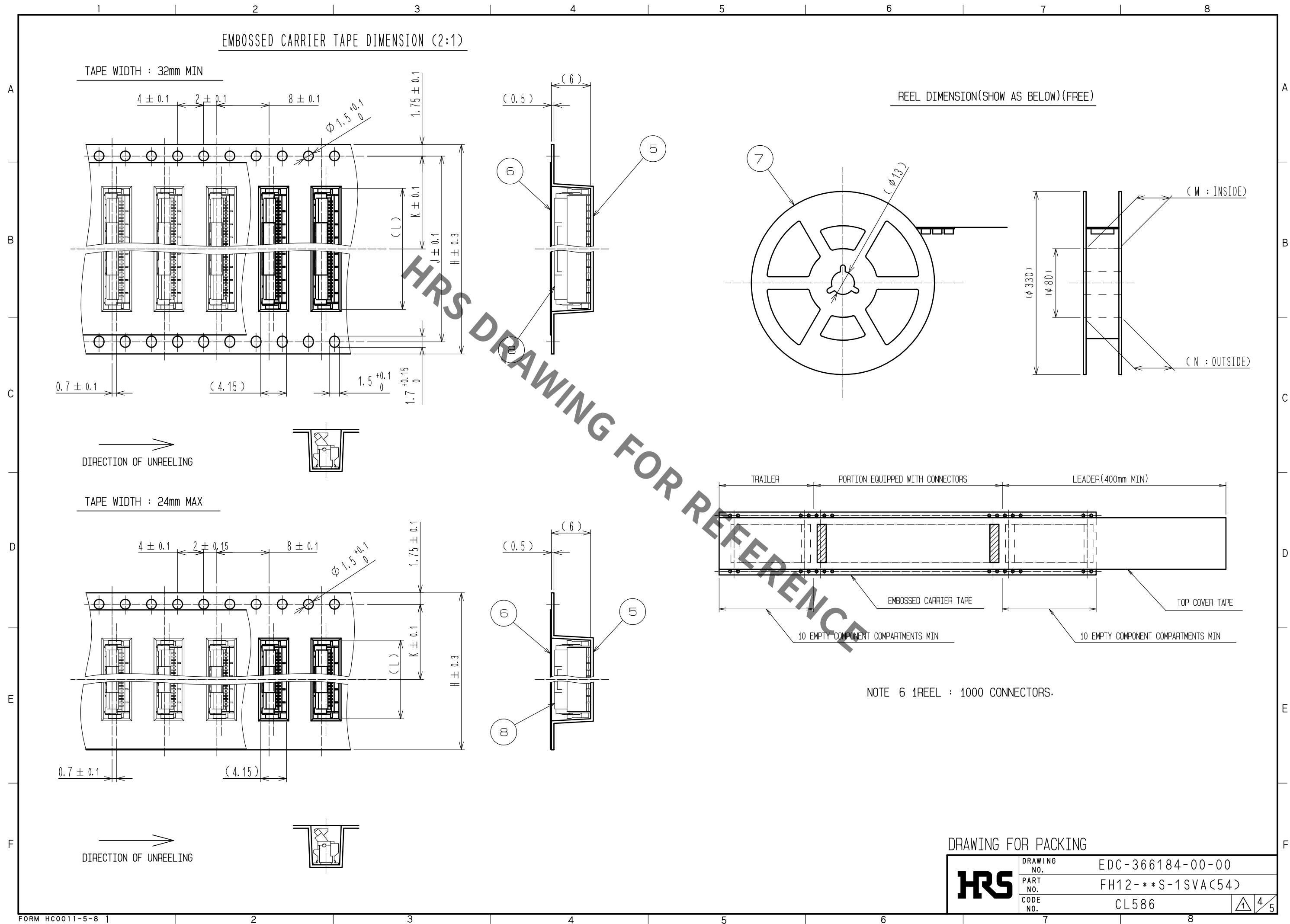
MATERIAL NAME	MATERIAL	THICKNESS(#mil)
COVERING FILM LAYER	POLYIMIDE 1mil thick.	(25)
COVER ADHESIVE		(25)
SURFACE TREATMENT	NICKEL UNDERCOAT 1 to 5#m + GOLD PLATING 0.2#m	3
COPPER FOIL	Cu 1 oz	35
BASE ADHESIVE	HEAT-HARDENED ADHESIVE	25
BASE FILM	POLYIMIDE 1mil thick	25
REINFORCEMENT MATERIAL ADHESIVE	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
△1	FH12- 6S-1SVA(54)	CL586-0822-0-54	6	9.9	8.4	5	8	9.7	4	7	24	—	11.5	10	25.4	29.4
△1	FH12- 7S-1SVA(54)	CL586-0823-0-54	7	10.9	9.4	6	9	10.7	4	8	24	—	11.5	11	25.4	29.4
△1	FH12- 8S-1SVA(54)	CL586-0824-0-54	8	11.9	10.4	7	10	11.7	4	9	24	—	11.5	12	25.4	29.4
△1	FH12-16S-1SVA(54)	CL586-0825-0-54	16	19.9	18.4	15	18	19.7	8	17	32	28.4	14.2	20	33.4	37.4
△1	FH12-20S-1SVA(54)	CL586-0826-0-54	20	23.9	22.4	19	22	23.7	8	21	44	40.4	20.2	24	45.4	49.4
△1	FH12-22S-1SVA(54)	CL586-0827-0-54	22	25.9	24.4	21	24	25.7	8	23	44	40.4	20.2	26	45.4	49.4
△1	FH12-24S-1SVA(54)	CL586-0828-0-54	24	27.9	26.4	23	26	27.7	8	25	44	40.4	20.2	28	45.4	49.4

HR5

DRAWING NO.	EDC-366184-00-00
PART NO.	FH12- ** S-1SVA(54)
CODE NO.	CL586
△1 5/5	