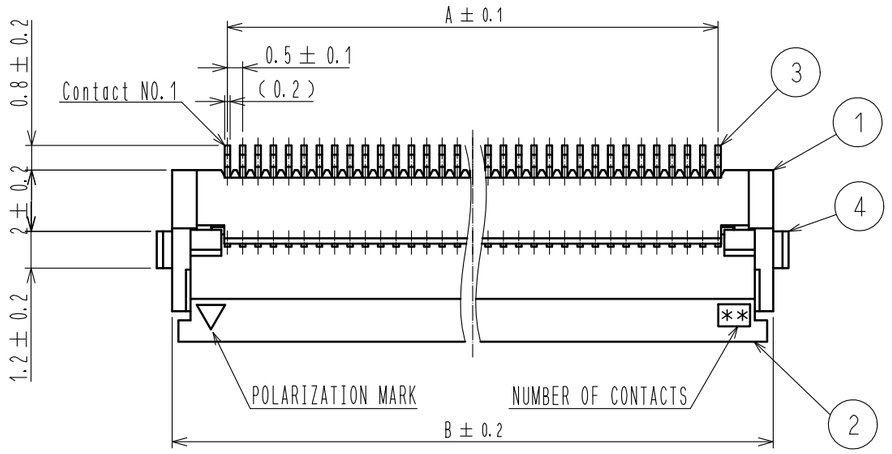
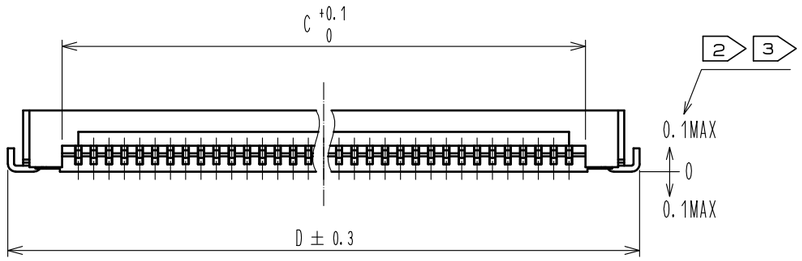
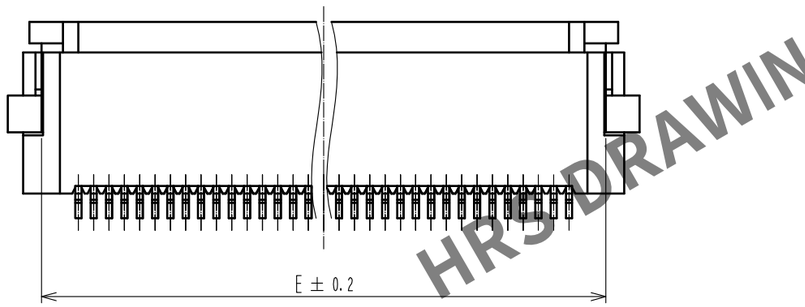
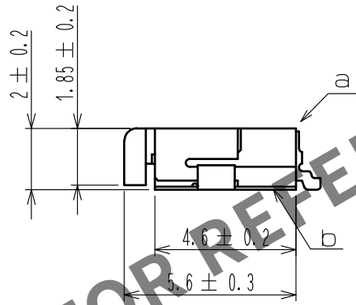
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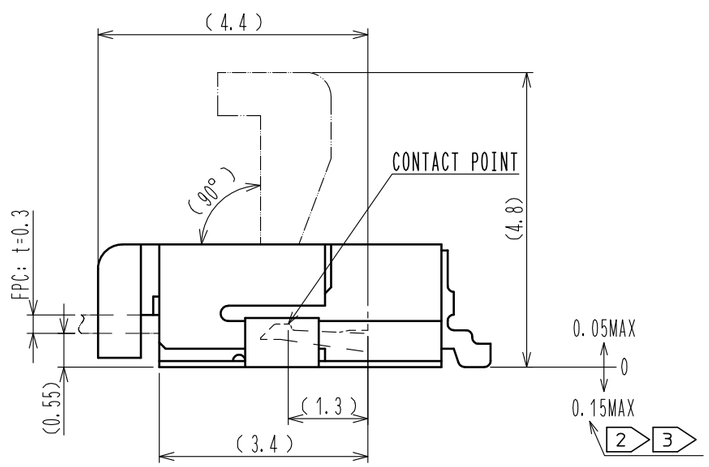




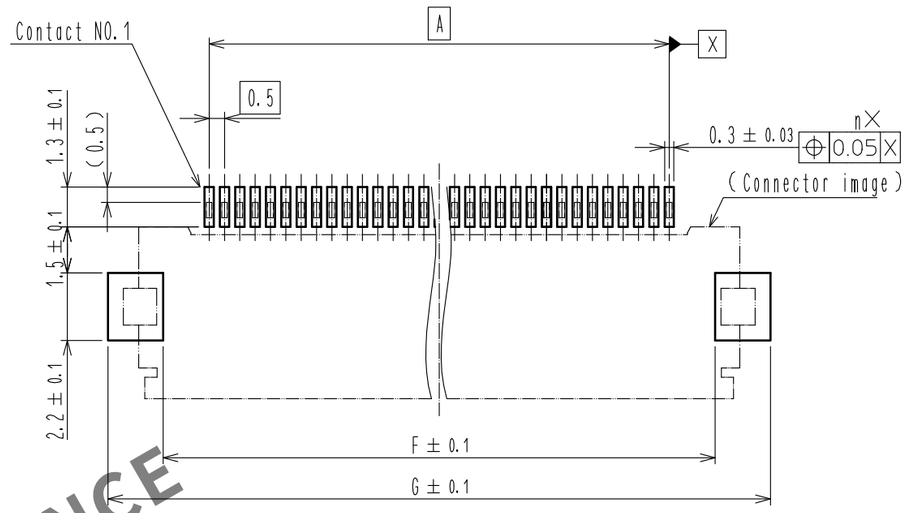




a (10 : 1)

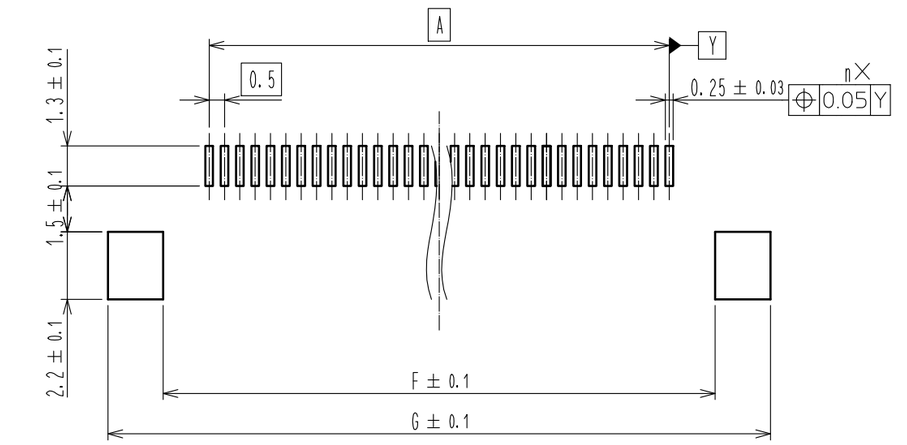


RECOMMENDED PCB MOUNTING PATTERN



RECOMMENDED STENCIL PATTERN

(RECOMMENDED STENCIL THICKNESS : t=0.15)



NOTE 1 THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
2 REFERENCE IS b.
3 LEAD CO-PLANARITY SHALL BE 0.1 MAX.
4 'n' REPRESENTS THE NUMBER OF CONTACTS.

<34 CONTACT OR LESS>

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
4	BRASS	TIN PLATING 1μMIN OVER NICKEL 1μMIN.	8	(CONNECTOR)	
3	PHOSPHOR BRONZE	GOLD PLATING 0.05μMIN OVER NICKEL 1μMIN	7	POLYSTYRENE	
2	PPS	(DEEP BROWN) UL94V-0	6	POLYESTER	
1	POLYAMIDE	(BEIGE) UL94V-0	5	POLYSTYRENE	

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	5 : 1	△0					

HIROSE ELECTRIC CO., LTD.

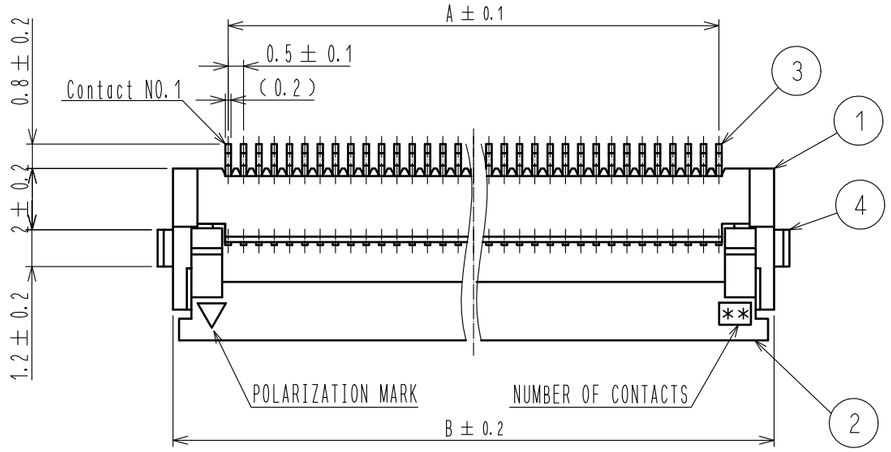
APPROVED	HS. SAKAMOTO	16. 09. 23
CHECKED	HS. SAKAMOTO	16. 09. 23
DESIGNED	RT. IKEDA	16. 09. 21
DRAWN	KY. KIKUCHI	16. 09. 12

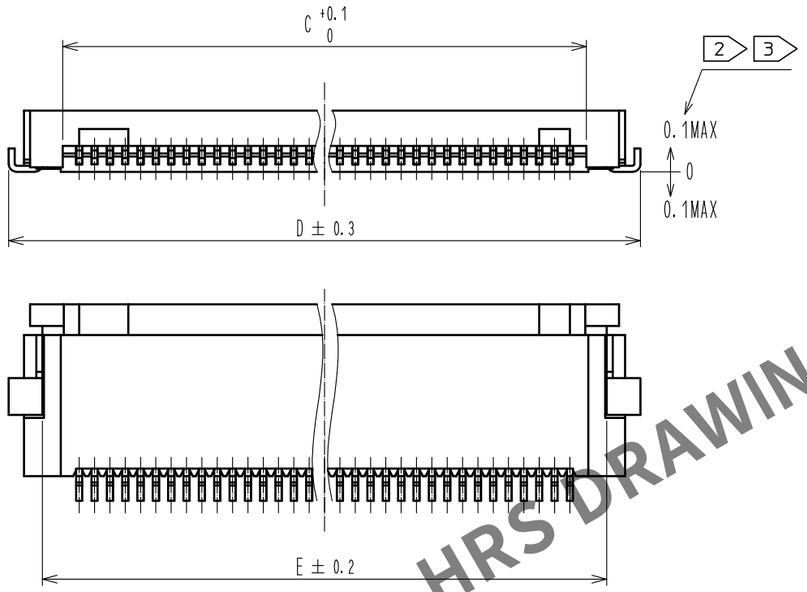
DRAWING NO.	EDC-347311-98-01
PART NO.	FH12-**S-0.5SH(1)(98)
CODE NO.	CL528

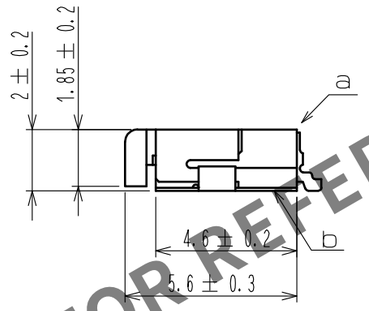
△0 1/5

HRS DRAWING FOR REFERENCE

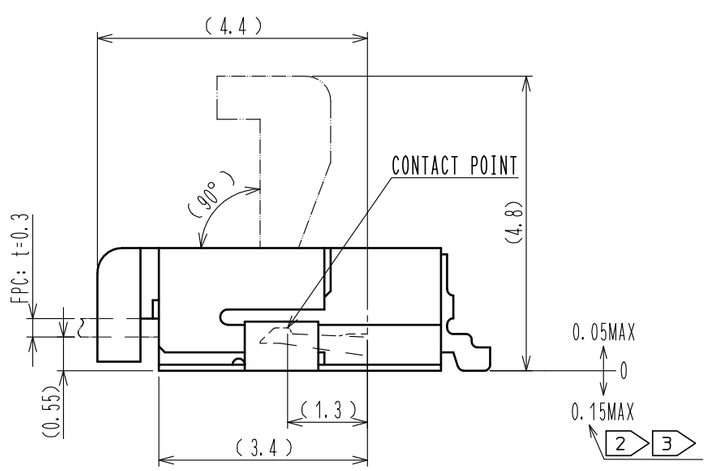
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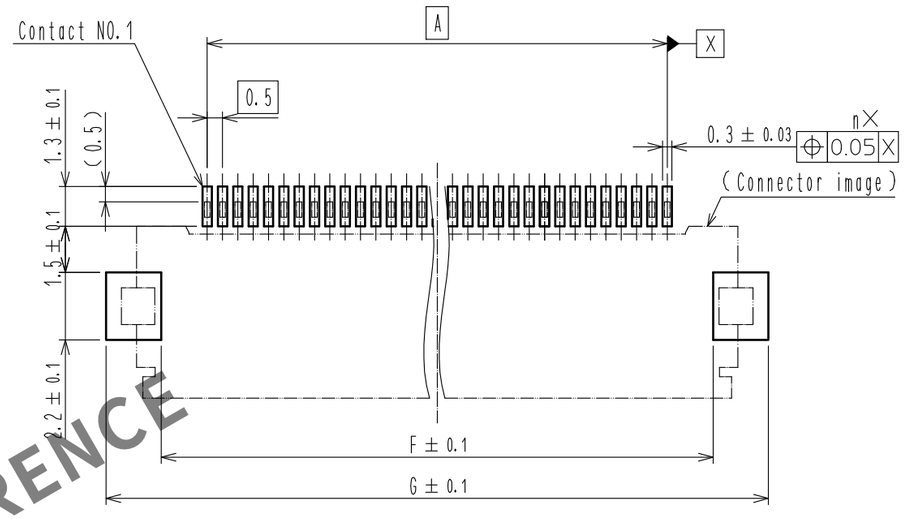




a (10 : 1)

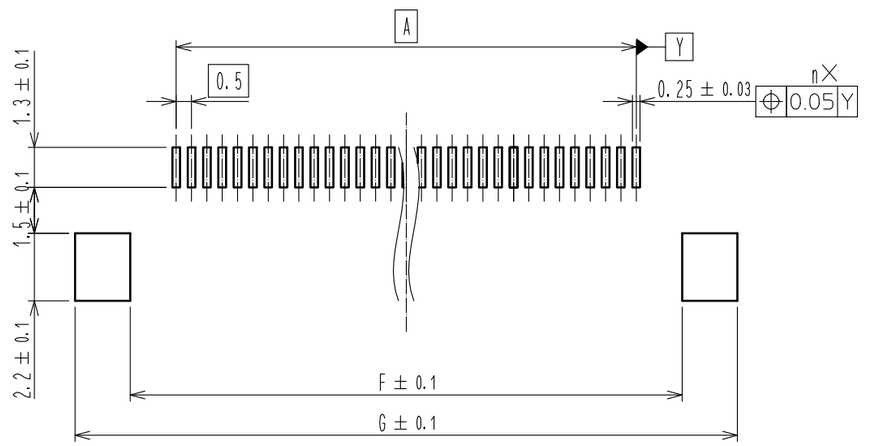


RECOMMENDED PCB MOUNTING PATTERN



RECOMMENDED STENCIL PATTERN

(RECOMMENDED STENCIL THICKNESS : t=0.15)



NOTE 1 THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
2 REFERENCE IS b.
3 LEAD CO-PLANARITY SHALL BE 0.1 MAX.
4 'n' REPRESENTS THE NUMBER OF CONTACTS.

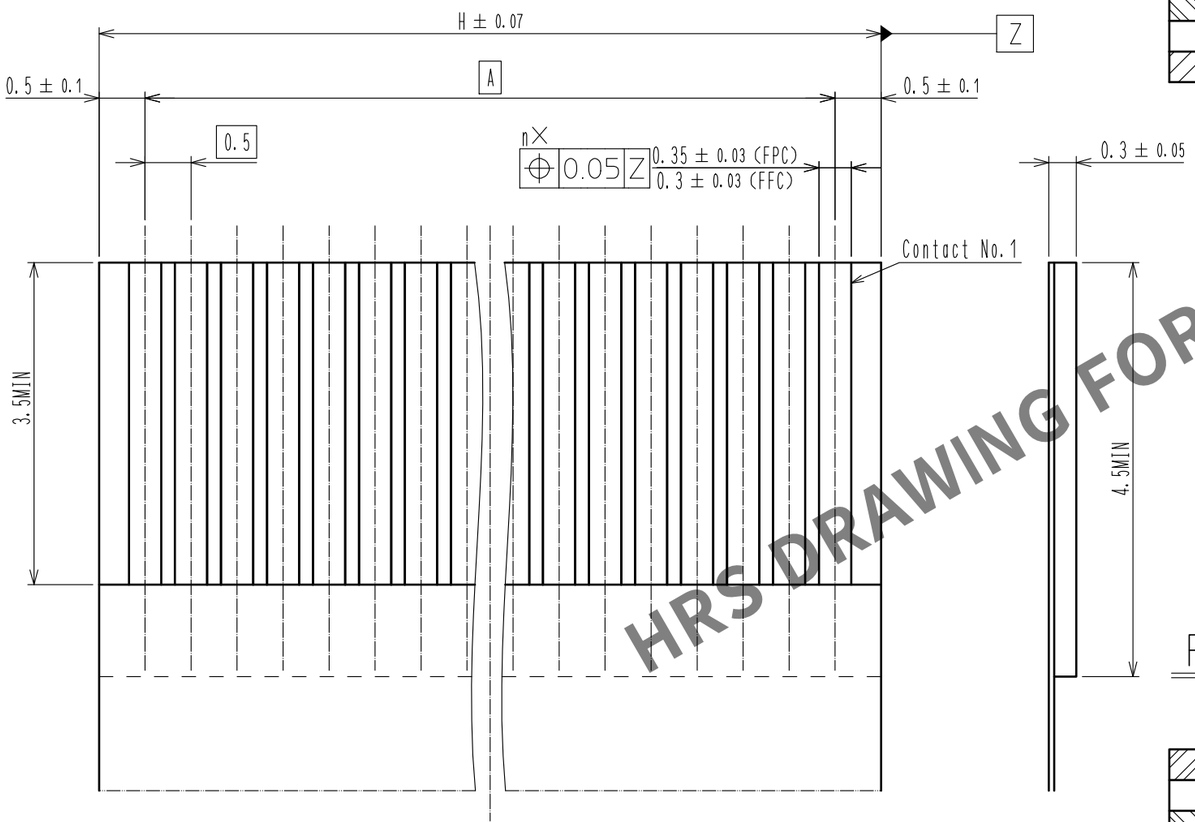
HRS DRAWING FOR REFERENCE

< 35 CONTACT OR MORE >

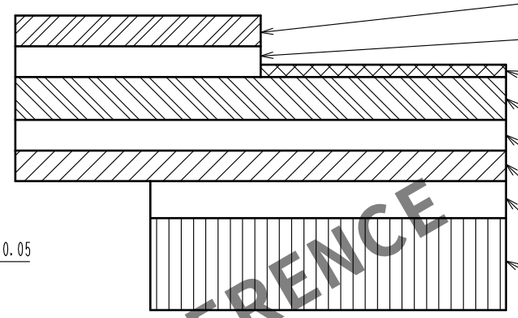
HRS	DRAWING NO.	EDC-347311-98-01
	PART NO.	FH12-**S-0.5SH(1)(98)
	CODE NO.	CL528

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RECOMMENDED FPC/FFC (15:1)



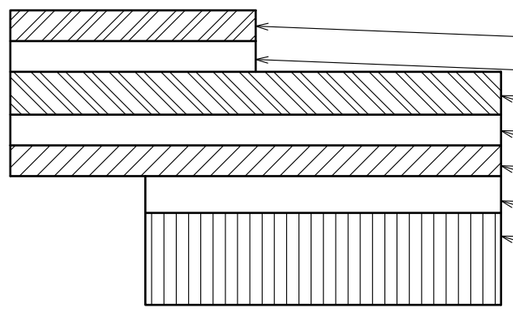
FPC CONFIGURATION (REFERENCE EXAMPLE) (SCALE:FREE)



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

HRS DRAWING FOR REFERENCE

FFC CONFIGURATION (REFERENCE EXAMPLE) (SCALE:FREE)



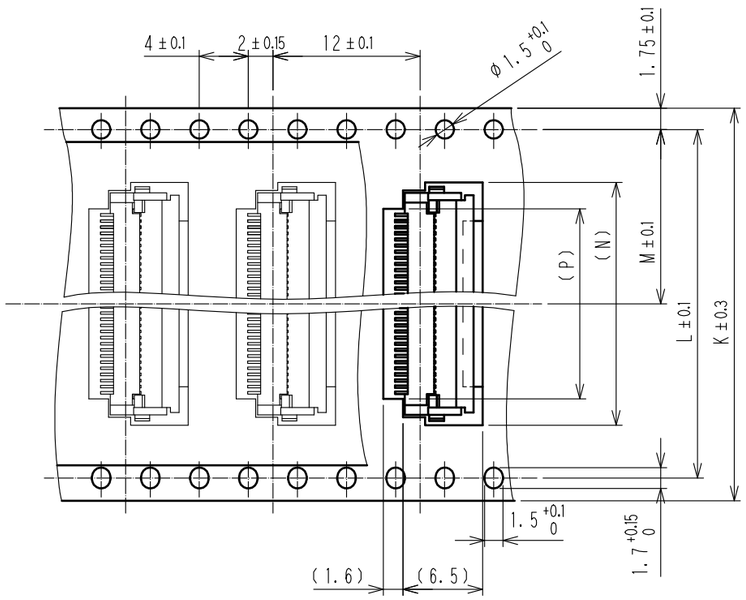
MATERIAL NAME	MATERIAL	THICKNESS(μm)
POLYESTER FILM		(12)
ADHESIVE	THERMOPLASTIC POLYESTER	(30)
GOLD PLATED, SOFT COPPER FILM		35
ADHESIVE	POLYESTER	30
POLYESTER		12
ADHESIVE	POLYESTER	30
STIFFENER FILM	POLYESTER	188

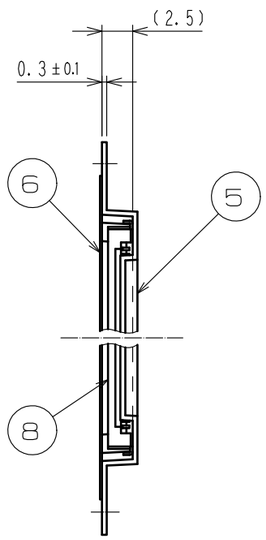
HRS	DRAWING NO.	EDC-347311-98-01
	PART NO.	FH12-**S-0.5SH(1)(98)
	CODE NO.	CL528

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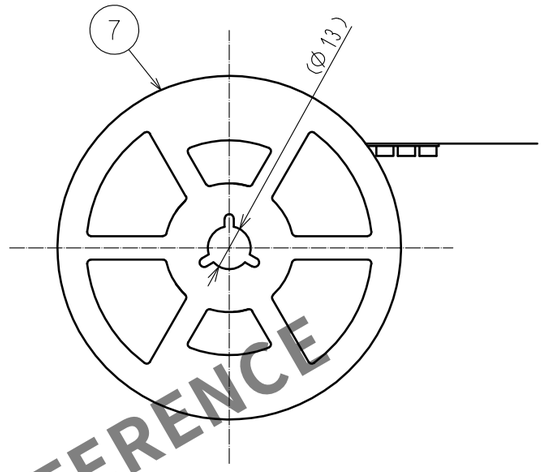
EMBOSSED CARRIER TAPE DIMENSION(2:1)

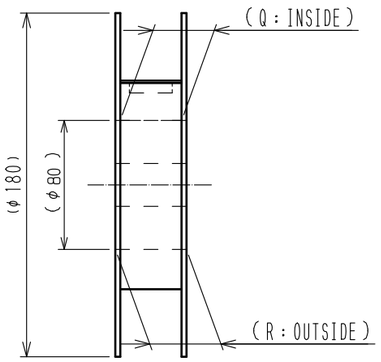
TAPE WIDTH:32mm MIN



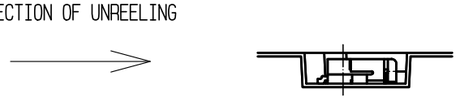


REEL DIMENSION (FREE)

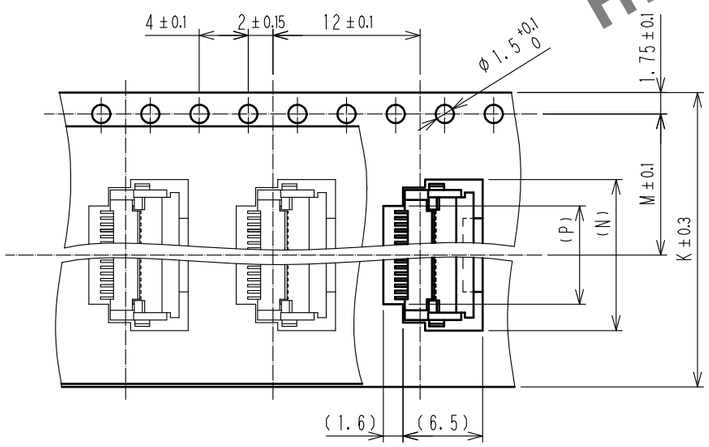


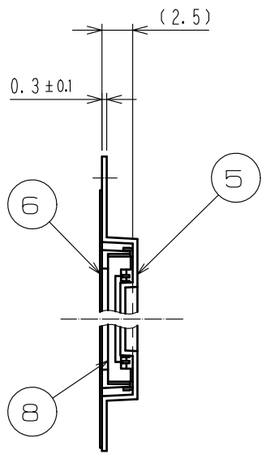


DIRECTION OF UNREELING

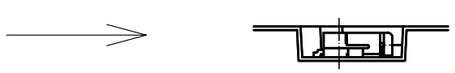


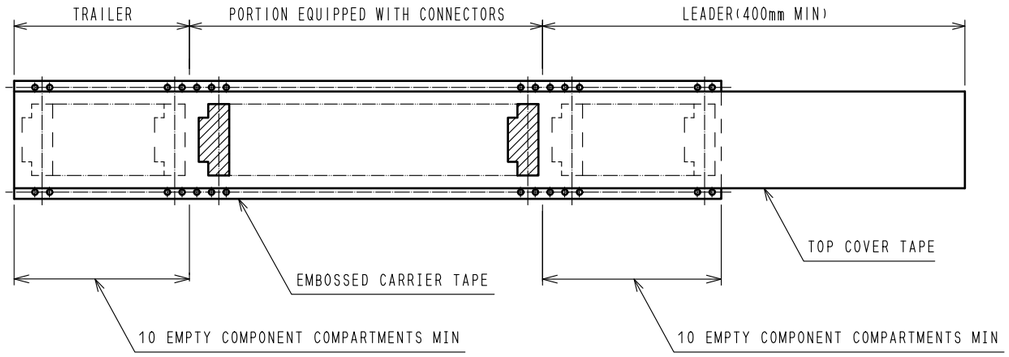
TAPE WIDTH:24mm MAX





DIRECTION OF UNREELING





5 PER REEL:500 CONNECTORS.

6 SEE DIMENSION TABLE IN THE APPENDIX.

HRS DRAWING FOR REFERENCE

<DRAWING FOR PACKING>

DRAWING NO.	EDC-347311-98-01
PART NO.	FH12-**S-0.5SH(1)(98)
CODE NO.	CL528

PART NO.	CODE NO.	NUMBER OF CONTACT	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	K	L	M	N	P	Q	R
FH12- 6S-0.5SH(1)(98)	CL528-0001-0-98	6	2.5	6.1	3.57	7.1	4.9	4.5	8.1	3.5	16	—	7.5	7.8	3.5	17.4	21.4
FH12- 8S-0.5SH(1)(98)	CL528-0002-2-98	8	3.5	7.1	4.57	8.1	5.9	5.5	9.1	4.5	16	—	7.5	8.8	4.5	17.4	21.4
FH12-10S-0.5SH(1)(98)	CL528-0003-5-98	10	4.5	8.1	5.57	9.1	6.9	6.5	10.1	5.5	16	—	7.5	9.8	5.5	17.4	21.4
FH12-11S-0.5SH(1)(98)	CL528-0004-8-98	11	5	8.6	6.07	9.6	7.4	7	10.6	6	16	—	7.5	10.3	6	17.4	21.4
FH12-12S-0.5SH(1)(98)	CL528-0005-0-98	12	5.5	9.1	6.57	10.1	7.9	7.5	11.1	6.5	24	—	11.5	10.8	6.5	25.4	29.4
FH12-13S-0.5SH(1)(98)	CL528-0006-3-98	13	6	9.6	7.07	10.6	8.4	8	11.6	7	24	—	11.5	11.3	7	25.4	29.4
FH12-14S-0.5SH(1)(98)	CL528-0007-6-98	14	6.5	10.1	7.57	11.1	8.9	8.5	12.1	7.5	24	—	11.5	11.8	7.5	25.4	29.4
FH12-15S-0.5SH(1)(98)	CL528-0008-9-98	15	7	10.6	8.07	11.6	9.4	9	12.6	8	24	—	11.5	12.3	8	25.4	29.4
FH12-16S-0.5SH(1)(98)	CL528-0009-1-98	16	7.5	11.1	8.57	12.1	9.9	9.5	13.1	8.5	24	—	11.5	12.8	8.5	25.4	29.4
FH12-17S-0.5SH(1)(98)	CL528-0010-0-98	17	8	11.6	9.07	12.6	10.4	10	13.6	9	24	—	11.5	13.3	9	25.4	29.4
FH12-18S-0.5SH(1)(98)	CL528-0011-3-98	18	8.5	12.1	9.57	13.1	10.9	10.5	14.1	9.5	24	—	11.5	13.8	9.5	25.4	29.4
FH12-19S-0.5SH(1)(98)	CL528-0012-6-98	19	9	12.6	10.07	13.6	11.4	11	14.6	10	24	—	11.5	14.3	10	25.4	29.4
FH12-20S-0.5SH(1)(98)	CL528-0013-9-98	20	9.5	13.1	10.57	14.1	11.9	11.5	15.1	10.5	24	—	11.5	14.8	10.5	25.4	29.4
FH12-22S-0.5SH(1)(98)	CL528-0014-1-98	22	10.5	14.1	11.57	15.1	12.9	12.5	16.1	11.5	24	—	11.5	15.8	11.5	25.4	29.4
FH12-24S-0.5SH(1)(98)	CL528-0015-4-98	24	11.5	15.1	12.57	16.1	13.9	13.5	17.1	12.5	24	—	11.5	16.8	12.5	25.4	29.4
FH12-25S-0.5SH(1)(98)	CL528-0016-7-98	25	12	15.6	13.07	16.6	14.4	14	17.6	13	24	—	11.5	17.3	13	25.4	29.4
FH12-26S-0.5SH(1)(98)	CL528-0017-0-98	26	12.5	16.1	13.57	17.1	14.9	14.5	18.1	13.5	24	—	11.5	17.8	13.5	25.4	29.4
FH12-28S-0.5SH(1)(98)	CL528-0018-2-98	28	13.5	17.1	14.57	18.1	15.9	15.5	19.1	14.5	32	28.4	14.2	18.8	14.5	33.4	37.4
FH12-30S-0.5SH(1)(98)	CL528-0019-5-98	30	14.5	18.1	15.57	19.1	16.9	16.5	20.1	15.5	32	28.4	14.2	19.8	15.5	33.4	37.4
FH12-32S-0.5SH(1)(98)	CL528-0020-4-98	32	15.5	19.1	16.57	20.1	17.9	17.5	21.1	16.5	32	28.4	14.2	20.8	16.5	33.4	37.4
FH12-33S-0.5SH(1)(98)	CL528-0021-7-98	33	16	19.6	17.07	20.6	18.4	18	21.6	17	32	28.4	14.2	21.3	17	33.4	37.4
FH12-34S-0.5SH(1)(98)	CL528-0022-0-98	34	16.5	20.1	17.57	21.1	18.9	18.5	22.1	17.5	32	28.4	14.2	21.8	17.5	33.4	37.4
FH12-35S-0.5SH(1)(98)	CL528-0023-2-98	35	17	20.6	18.07	21.6	19.4	19	22.6	18	44	40.4	20.2	22.3	18	45.4	49.4
FH12-36S-0.5SH(1)(98)	CL528-0024-5-98	36	17.5	21.1	18.57	22.1	19.9	19.5	23.1	18.5	44	40.4	20.2	22.8	18.5	45.4	49.4
FH12-40S-0.5SH(1)(98)	CL528-0025-8-98	40	19.5	23.1	20.57	24.1	21.9	21.5	25.1	20.5	44	40.4	20.2	24.8	20.5	45.4	49.4
FH12-45S-0.5SH(1)(98)	CL528-0026-0-98	45	22	25.6	23.07	26.6	24.4	24	27.6	23	44	40.4	20.2	27.3	23	45.4	49.4
FH12-50S-0.5SH(1)(98)	CL528-0027-3-98	50	24.5	28.1	25.57	29.1	26.9	26.5	30.1	25.5	44	40.4	20.2	29.8	25.5	45.4	49.4
FH12-53S-0.5SH(1)(98)	CL528-0028-6-98	53	26	29.6	27.07	30.6	28.4	28	31.6	27	44	40.4	20.2	31.3	27	45.4	49.4

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HRS	DRAWING NO.	EDC-347311-98-01
	PART NO.	FH12-**S-0.5SH(1)(98)
	CODE NO.	CL528
		△0 5/5