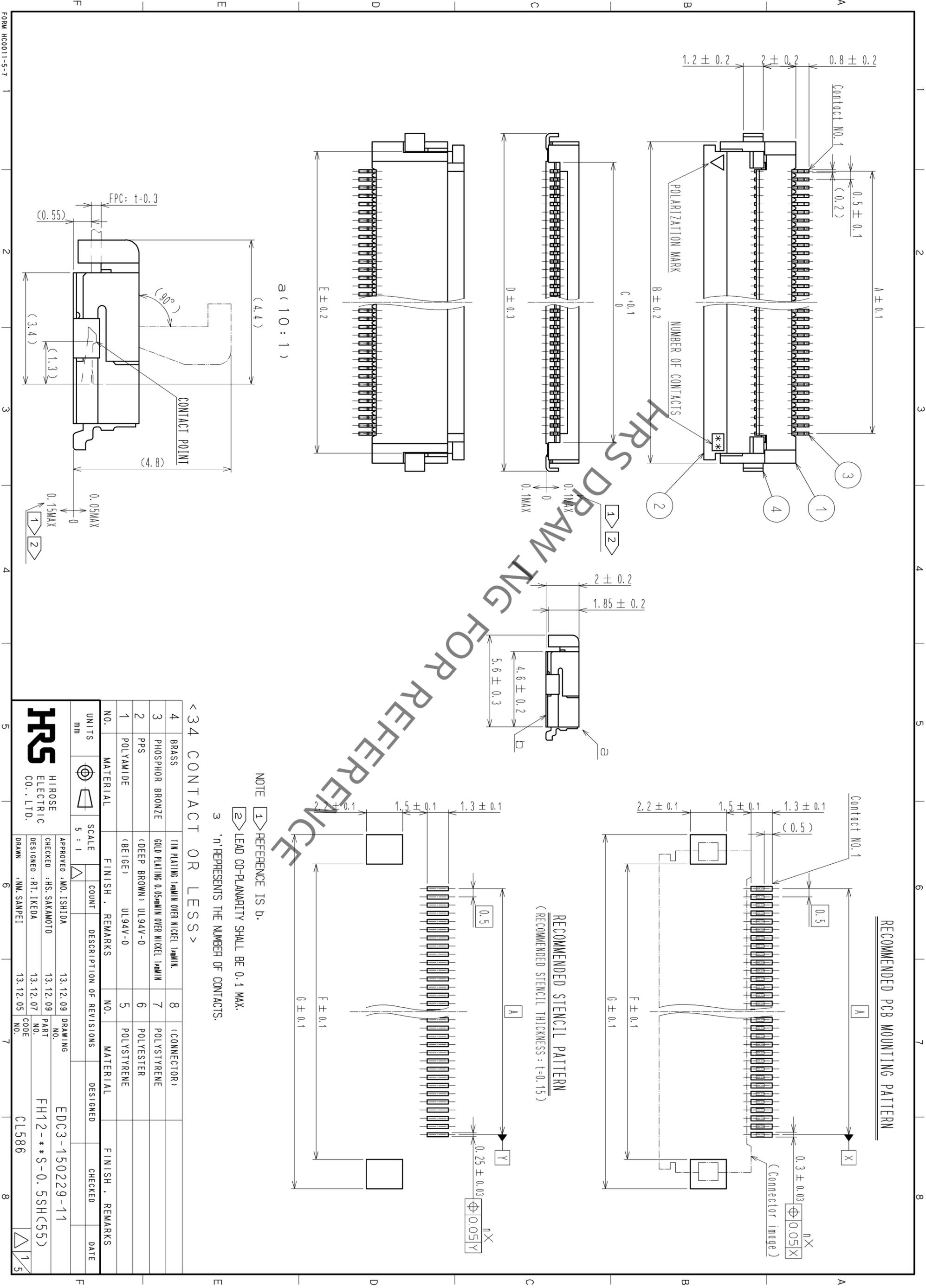


**HESTORE.HU**

elektronikai alkatrész áruház

**EN:** This Datasheet is presented by the manufacturer.

Please visit our website for pricing and availability at [www.hestore.hu](http://www.hestore.hu).



HRS DRAWING FOR REFERENCE

< 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		

NOTE 1 REFERENCE IS B.

2 LEAD CO-PLANARITY SHALL BE 0.1 MAX.

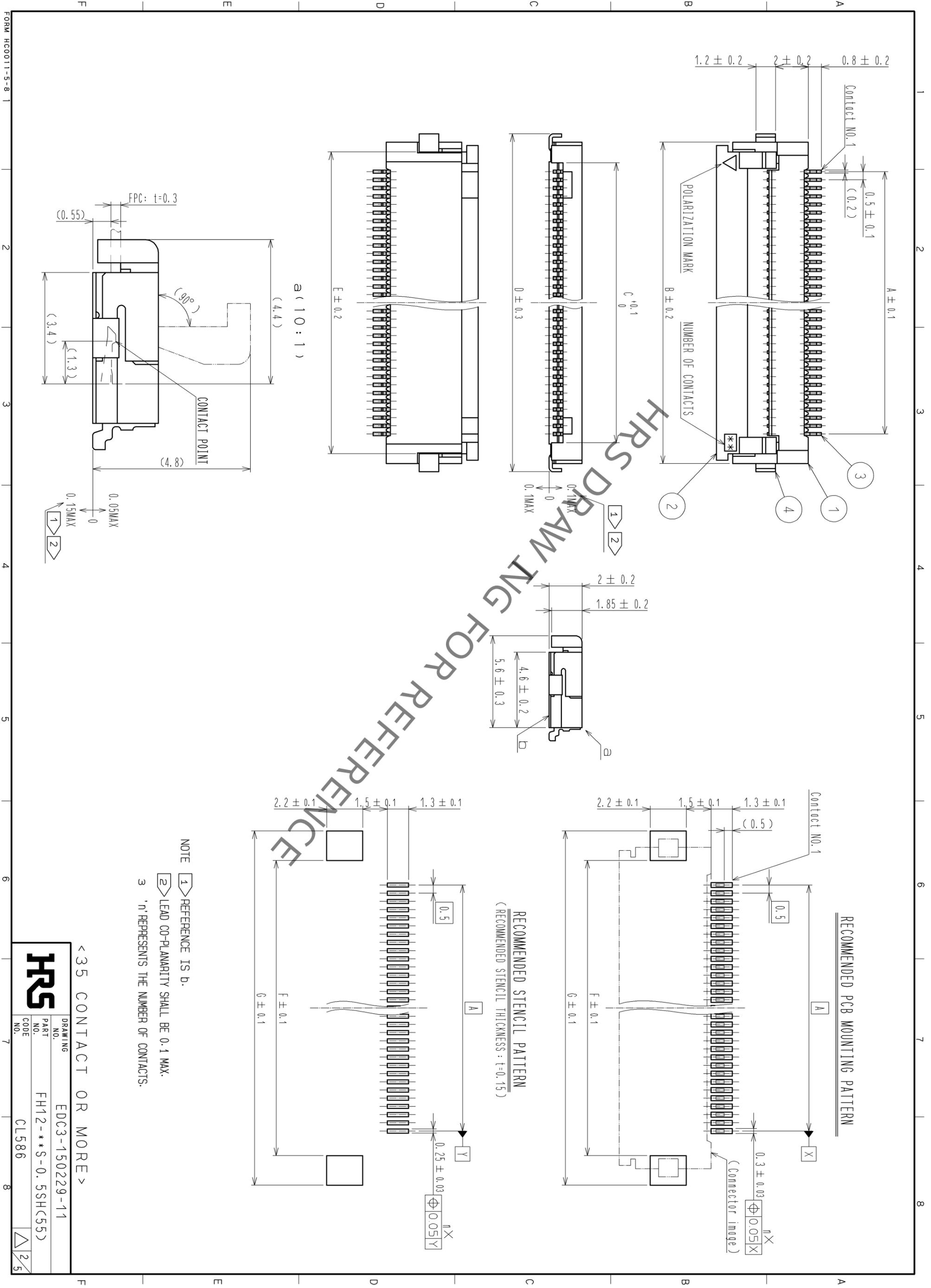
3 'n' REPRESENTS THE NUMBER OF CONTACTS.

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

HIROSE ELECTRIC CO., LTD.

APPROVED : MO. ISHIDA	13.12.09	DRAWING NO.	EDC3-150229-11
CHECKED : HS. SAKAMOTO	13.12.09	PART NO.	FH12-**-S-0.5SH(55)
DESIGNED : RT. IKEDA	13.12.07	CODE	CL586
DRAWN : NM. SANPEI	13.12.05	NO.	1/5

FORM HCO011-5-7

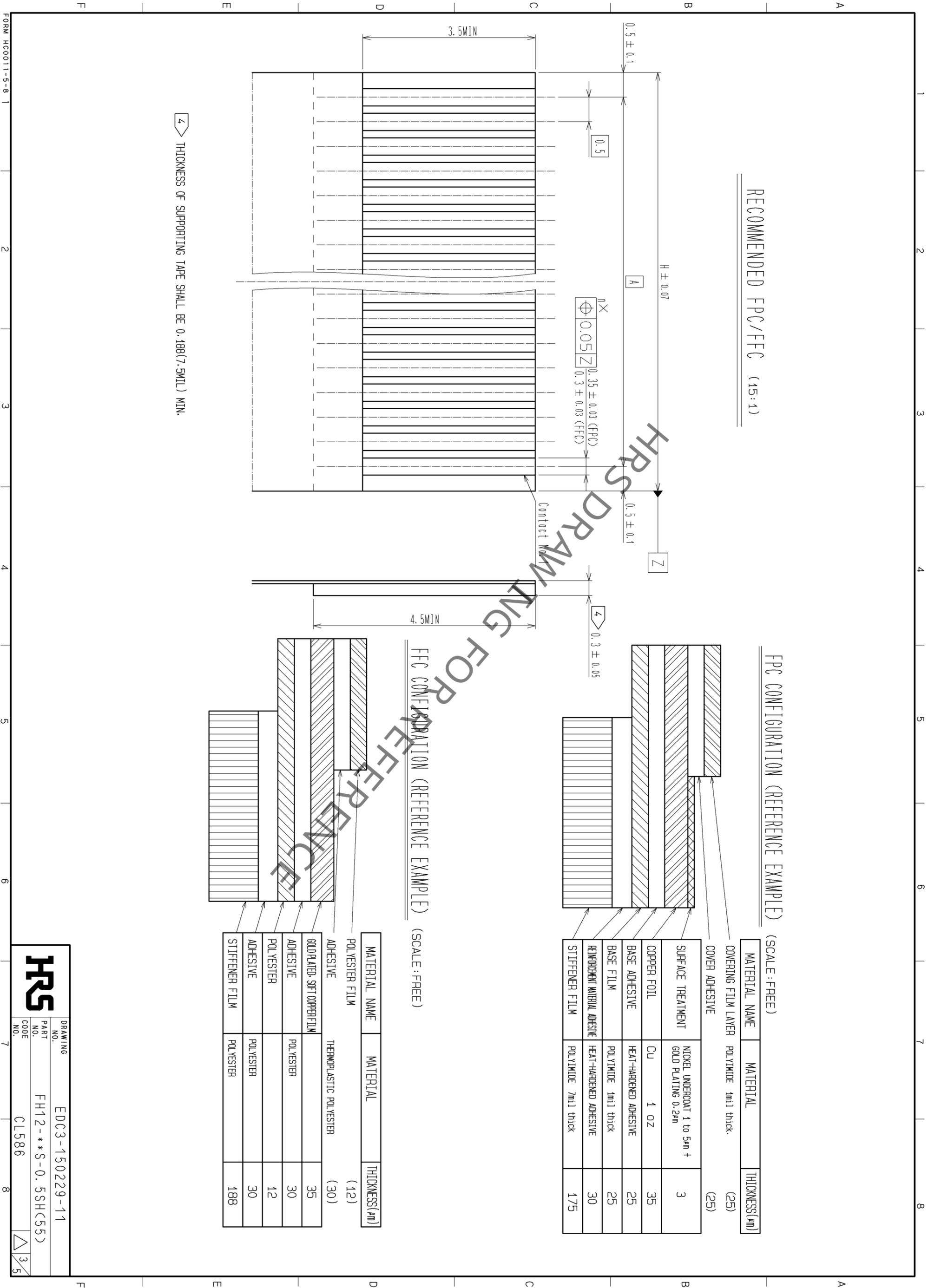


FORM HC0011-5-8

**HRS**

CL586

2/5



RECOMMENDED FPC/FFC (45:1)

FPC CONFIGURATION (REFERENCE EXAMPLE) (SCALE: FREE)

MATERIAL NAME	MATERIAL	THICKNESS(µm)
COVERING FILM LAYER	POLYIMIDE 1mils 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 1mils thick	25
REINFORCEMENT MATERIAL ADHESIVE	HEAT-HARDENED ADHESIVE	30
STIFFENER FILM	POLYIMIDE 7mils 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

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

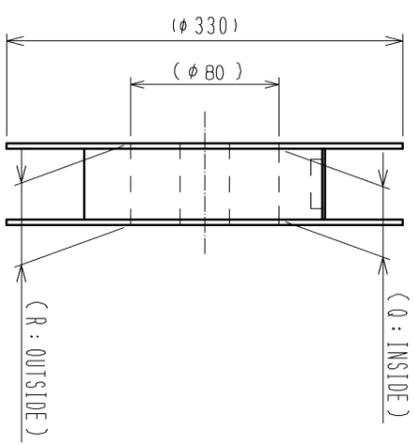
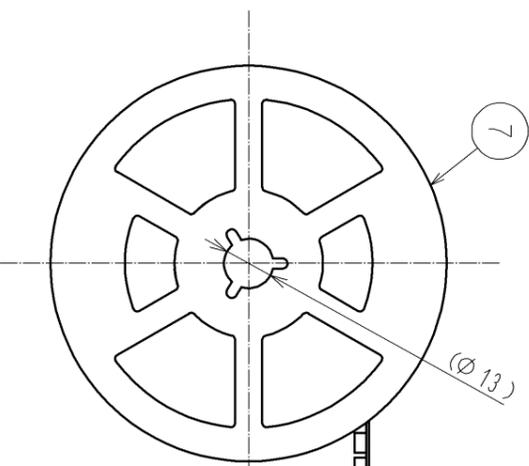
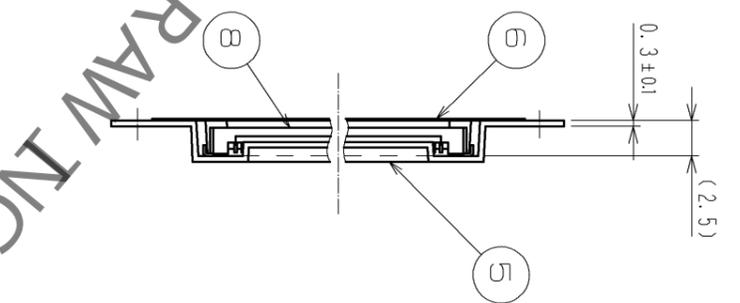
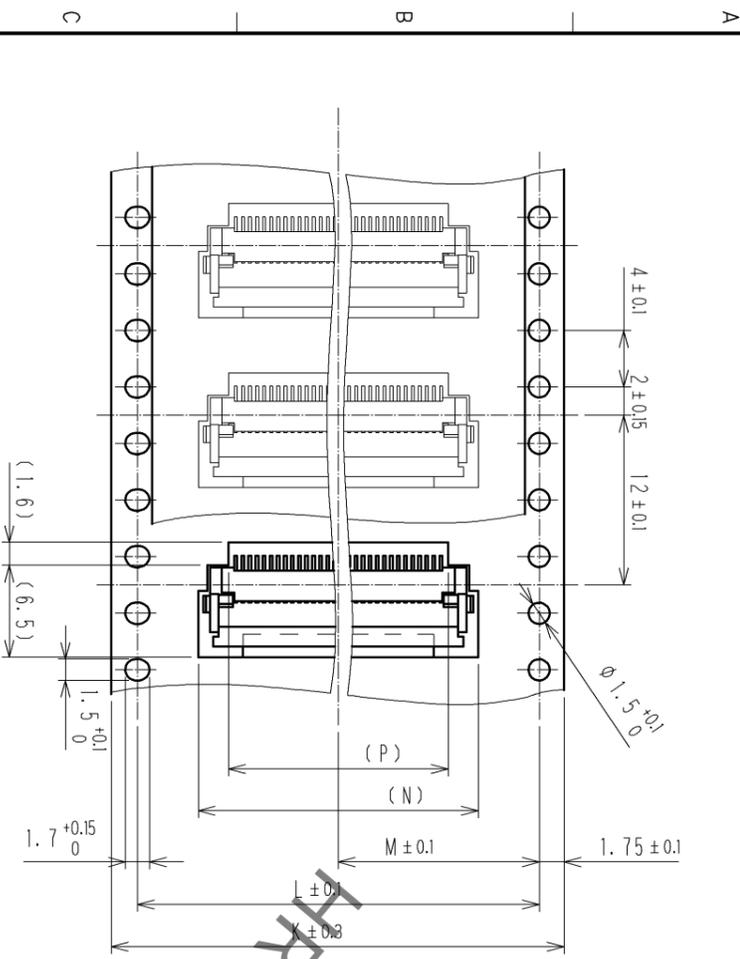
**HRS**

DRAWING NO.	EDC3-150229-11
PART NO.	FH12-**-S-0.5SH(55)
CODE	CL586

3/5

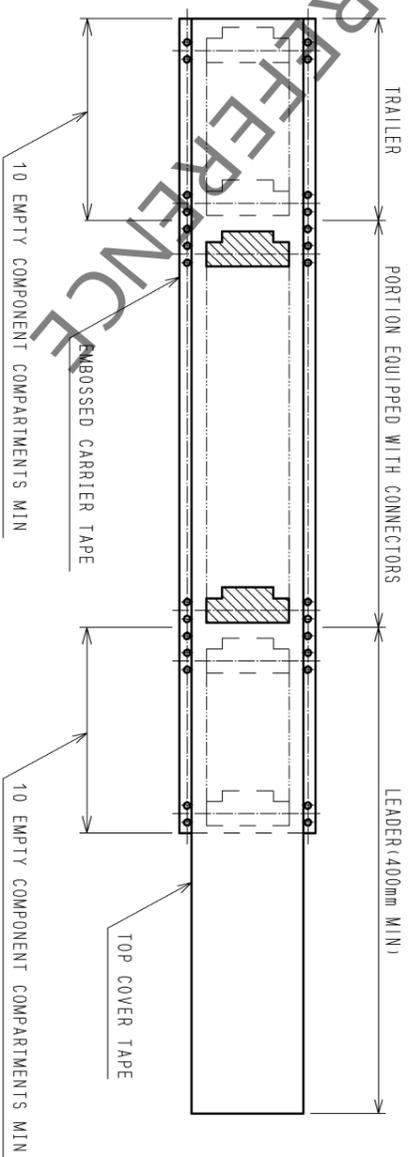
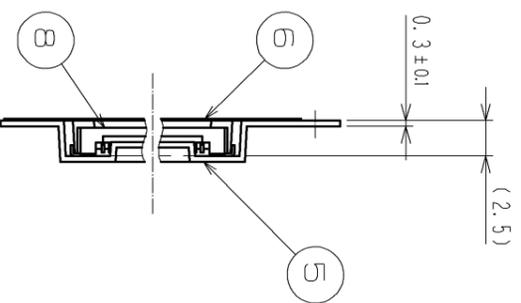
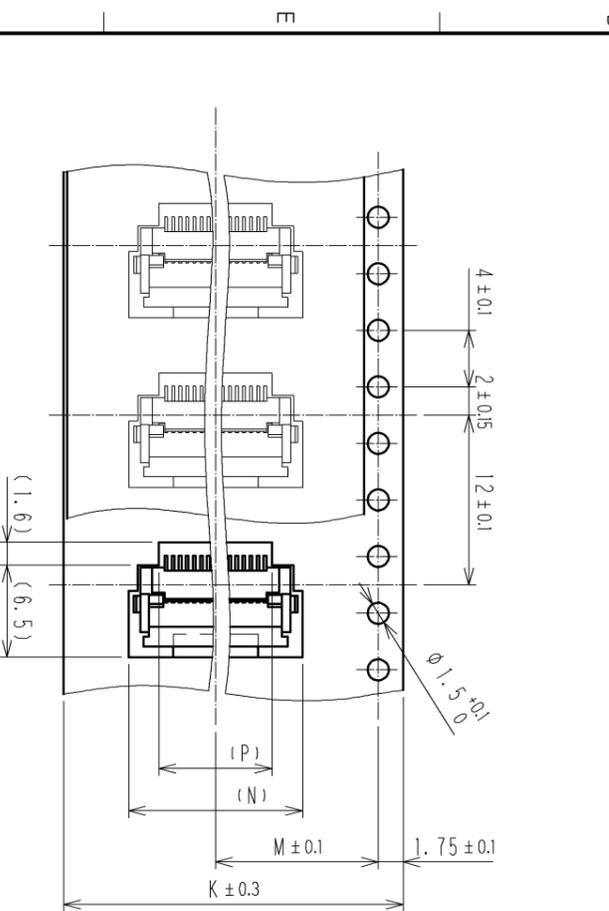
EMBOSSED CARRIER TAPE DIMENSION(2:1)

TAPE WIDTH: 32mm MIN



REEL DIMENSION (FREE)

TAPE WIDTH: 24mm MAX



- 5 THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
- 6 PER REEL: 2000 CONNECTORS.
- 7 SEE DIMENSION TABLE IN THE APPENDIX.

<DRAWING FOR PACKING>

<b>HR5</b>	
DRAWING NO.	EDC3-150229-11
PART NO.	FH12-**-S-0.5SH(55)
CODE NO.	CL586
4/5	

PART NO.	CODE NO.	NUMBER OF CONTACT	DIMENSION TABLE OF CONNECTOR, P.C.G., F.C.G., P.C.B 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(55)	CL586-0582-5-55	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(55)	CL586-0744-5-55	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(55)	CL586-0522-3-55	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(55)	CL586-0600-5-55	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(55)	CL586-0704-0-55	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(55)	CL586-0549-0-55	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(55)	CL586-0533-0-55	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(55)	CL586-0523-6-55	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(55)	CL586-0531-4-55	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(55)	CL586-0606-1-55	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(55)	CL586-0530-1-55	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(55)	CL586-0534-2-55	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(55)	CL586-0524-9-55	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(55)	CL586-0532-7-55	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(55)	CL586-0521-0-55	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(55)	CL586-0692-3-55	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(55)	CL586-0576-2-55	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(55)	CL586-0612-4-55	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(55)	CL586-0525-1-55	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(55)	CL586-0681-7-55	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(55)	CL586-0520-8-55	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(55)	CL586-0617-8-55	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(55)	CL586-0740-4-55	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(55)	CL586-0526-4-55	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(55)	CL586-0527-7-55	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(55)	CL586-0528-0-55	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(55)	CL586-0529-2-55	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(55)	CL586-0595-7-55	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									

FORM HC0011-5-8

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<b>EDC3-150229-11</b>	
DRAWING NO.	EDC3-150229-11
PART NO.	FH12-**-S-0.5SH(55)
CODE NO.	CL586



5/5