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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



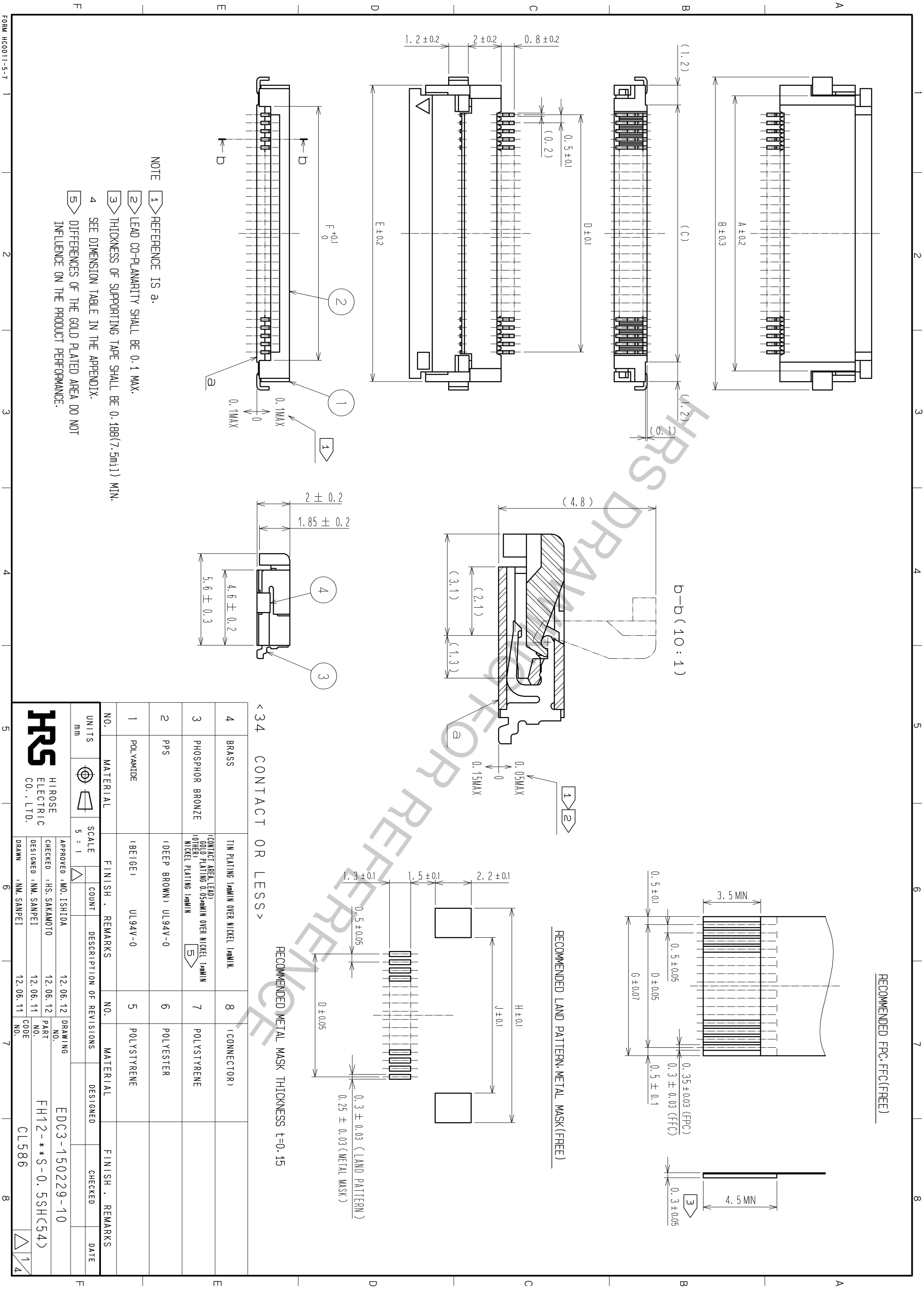
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RECOMMENDED FPC, FFC(FREE)

RECOMMENDED LAND PATTERN, METAL MASK(FREE)

RECOMMENDED METAL MASK THICKNESS $t=0.15$

<34 CONTACT OR LESS>

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

NOTE

- 1 REFERENCE IS a.
- 2 LEAD CO-PLANARITY SHALL BE 0.1 MAX.
- 3 THICKNESS OF SUPPORTING TAPE SHALL BE 0.188(7.5mil) MIN.
- 4 SEE DIMENSION TABLE IN THE APPENDIX.
- 5 DIFFERENCES OF THE GOLD PLATED AREA DO NOT INFLUENCE ON THE PRODUCT PERFORMANCE.

HRS HIROSE ELECTRIC CO., LTD.

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

APPROVED: MO. ISHIDA 12.06.12 DRAWING NO. EDC3-150229-10
 CHECKED: HS. SAKAMOTO 12.06.12 PART NO. FH12-**-S-0.5SH(54)
 DESIGNED: NM. SANPEI 12.06.11 CODE CL586
 DRAWN: NM. SANPEI 12.06.11 NO. 1

DIMENSION TABLE OF CONNECTOR, FPC, FFC, LAND PATTERN AND METAL MASK

PART NO.	CODE NO.	*	A	B	C	D	E	F	G	H	J
FH12-6S-0.5SH(54)	CL586-0582-5-54	6	4.9	7.1	3.7	2.5	6.1	3.57	3.5	8.1	4.5
FH12-8S-0.5SH(54)	CL586-0744-5-54	8	5.9	8.1	4.7	3.5	7.1	4.57	4.5	9.1	5.5
FH12-10S-0.5SH(54)	CL586-0522-3-54	10	6.9	9.1	5.7	4.5	8.1	5.57	5.5	10.1	6.5
FH12-11S-0.5SH(54)	CL586-0600-5-54	11	7.4	9.6	6.2	5	8.6	6.07	6	10.6	7
FH12-12S-0.5SH(54)	CL586-0704-0-54	12	7.9	10.1	6.7	5.5	9.1	6.57	6.5	11.1	7.5
FH12-13S-0.5SH(54)	CL586-0549-0-54	13	8.4	10.6	7.2	6	9.6	7.07	7	11.6	8
FH12-14S-0.5SH(54)	CL586-0533-0-54	14	8.9	11.1	7.7	6.5	10.1	7.57	7.5	12.1	8.5
FH12-15S-0.5SH(54)	CL586-0523-6-54	15	9.4	11.6	8.2	7	10.6	8.07	8	12.6	9
FH12-16S-0.5SH(54)	CL586-0531-4-54	16	9.9	12.1	8.7	7.5	11.1	8.57	8.5	13.1	9.5
FH12-17S-0.5SH(54)	CL586-0606-1-54	17	10.4	12.6	9.2	8	11.6	9.07	9	13.6	10
FH12-18S-0.5SH(54)	CL586-0530-1-54	18	10.9	13.1	9.7	8.5	12.1	9.57	9.5	14.1	10.5
FH12-19S-0.5SH(54)	CL586-0534-2-54	19	11.4	13.6	10.2	9	12.6	10.07	10	14.6	11
FH12-20S-0.5SH(54)	CL586-0524-9-54	20	11.9	14.1	10.7	9.5	13.1	10.57	10.5	15.1	11.5
FH12-22S-0.5SH(54)	CL586-0532-7-54	22	12.9	15.1	11.7	10.5	14.1	11.57	11.5	16.1	12.5
FH12-24S-0.5SH(54)	CL586-0521-0-54	24	13.9	16.1	12.7	11.5	15.1	12.57	12.5	17.1	13.5
FH12-25S-0.5SH(54)	CL586-0692-3-54	25	14.4	16.6	13.2	12	15.6	13.07	13	17.6	14
FH12-26S-0.5SH(54)	CL586-0576-2-54	26	14.9	17.1	13.7	12.5	16.1	13.57	13.5	18.1	14.5
FH12-28S-0.5SH(54)	CL586-0612-4-54	28	15.9	18.1	14.7	13.5	17.1	14.57	14.5	19.1	15.5
FH12-30S-0.5SH(54)	CL586-0525-1-54	30	16.9	19.1	15.7	14.5	18.1	15.57	15.5	20.1	16.5
FH12-32S-0.5SH(54)	CL586-0681-7-54	32	17.9	20.1	16.7	15.5	19.1	16.57	16.5	21.1	17.5
FH12-33S-0.5SH(54)	CL586-0520-8-54	33	18.4	20.6	17.2	16	19.6	17.07	17	21.6	18
FH12-34S-0.5SH(54)	CL586-0617-8-54	34	18.9	21.1	17.7	16.5	20.1	17.57	17.5	22.1	18.5
FH12-35S-0.5SH(54)	CL586-0740-4-54	35	19.4	21.6	18.2	17	20.6	18.07	18	22.6	19
FH12-36S-0.5SH(54)	CL586-0526-4-54	36	19.9	22.1	18.7	17.5	21.1	18.57	18.5	23.1	19.5
FH12-40S-0.5SH(54)	CL586-0527-7-54	40	21.9	24.1	20.7	19.5	23.1	20.57	20.5	25.1	21.5
FH12-45S-0.5SH(54)	CL586-0528-0-54	45	24.4	26.6	23.2	22	25.6	23.07	23	27.6	24
FH12-50S-0.5SH(54)	CL586-0529-2-54	50	26.9	29.1	25.7	24.5	28.1	25.57	25.5	30.1	26.5
FH12-53S-0.5SH(54)	CL586-0595-7-54	53	28.4	30.6	27.2	26	29.6	27.07	27	31.6	28

DIMENSION TABLE OF DRAWING FOR PACKING

PART NO.	CODE NO.	*	K	L	M	N	P	Q	R
FH12-6S-0.5SH(54)	CL586-0582-5-54	6	16	—	7.5	7.8	3.5	17.4	21.4
FH12-8S-0.5SH(54)	CL586-0744-5-54	8	16	—	7.5	8.8	4.5	17.4	21.4
FH12-10S-0.5SH(54)	CL586-0522-3-54	10	16	—	7.5	9.8	5.5	17.4	21.4
FH12-11S-0.5SH(54)	CL586-0600-5-54	11	16	—	7.5	10.3	6	17.4	21.4
FH12-12S-0.5SH(54)	CL586-0704-0-54	12	24	—	11.5	10.8	6.5	25.4	29.4
FH12-13S-0.5SH(54)	CL586-0549-0-54	13	24	—	11.5	11.3	7	25.4	29.4
FH12-14S-0.5SH(54)	CL586-0533-0-54	14	24	—	11.5	11.8	7.5	25.4	29.4
FH12-15S-0.5SH(54)	CL586-0523-6-54	15	24	—	11.5	12.3	8	25.4	29.4
FH12-16S-0.5SH(54)	CL586-0531-4-54	16	24	—	11.5	12.8	8.5	25.4	29.4
FH12-17S-0.5SH(54)	CL586-0606-1-54	17	24	—	11.5	13.3	9	25.4	29.4
FH12-18S-0.5SH(54)	CL586-0530-1-54	18	24	—	11.5	13.8	9.5	25.4	29.4
FH12-19S-0.5SH(54)	CL586-0534-2-54	19	24	—	11.5	14.3	10	25.4	29.4
FH12-20S-0.5SH(54)	CL586-0524-9-54	20	24	—	11.5	14.8	10.5	25.4	29.4
FH12-22S-0.5SH(54)	CL586-0532-7-54	22	24	—	11.5	15.8	11.5	25.4	29.4
FH12-24S-0.5SH(54)	CL586-0521-0-54	24	24	—	11.5	16.8	12.5	25.4	29.4
FH12-25S-0.5SH(54)	CL586-0692-3-54	25	24	—	11.5	17.3	13	25.4	29.4
FH12-26S-0.5SH(54)	CL586-0576-2-54	26	24	—	11.5	17.8	13.5	25.4	29.4
FH12-28S-0.5SH(54)	CL586-0612-4-54	28	32	28.4	14.2	18.8	14.5	33.4	37.4
FH12-30S-0.5SH(54)	CL586-0525-1-54	30	32	28.4	14.2	19.8	15.5	33.4	37.4
FH12-32S-0.5SH(54)	CL586-0681-7-54	32	32	28.4	14.2	20.8	16.5	33.4	37.4
FH12-33S-0.5SH(54)	CL586-0520-8-54	33	32	28.4	14.2	21.3	17	33.4	37.4
FH12-34S-0.5SH(54)	CL586-0617-8-54	34	32	28.4	14.2	21.8	17.5	33.4	37.4
FH12-35S-0.5SH(54)	CL586-0740-4-54	35	44	40.4	20.2	22.3	18	45.4	49.4
FH12-36S-0.5SH(54)	CL586-0526-4-54	36	44	40.4	20.2	22.8	18.5	45.4	49.4
FH12-40S-0.5SH(54)	CL586-0527-7-54	40	44	40.4	20.2	24.8	20.5	45.4	49.4
FH12-45S-0.5SH(54)	CL586-0528-0-54	45	44	40.4	20.2	27.3	23	45.4	49.4
FH12-50S-0.5SH(54)	CL586-0529-2-54	50	44	40.4	20.2	29.8	25.5	45.4	49.4
FH12-53S-0.5SH(54)	CL586-0595-7-54	53	44	40.4	20.2	31.3	27	45.4	49.4

* : NUMBER OF CONTACTS

HRS	
DRAWING NO.	EDC3-150229-10
PART NO.	FH12-**-S-0.5SH(54)
CODE NO.	CL586