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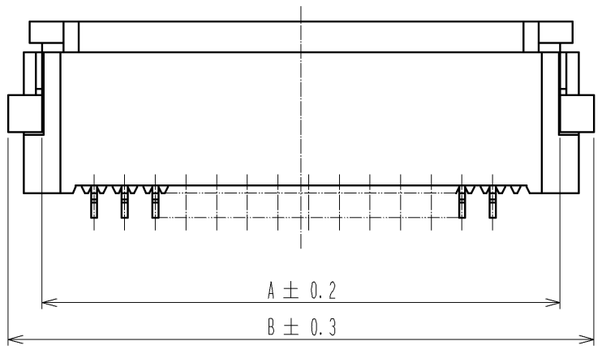
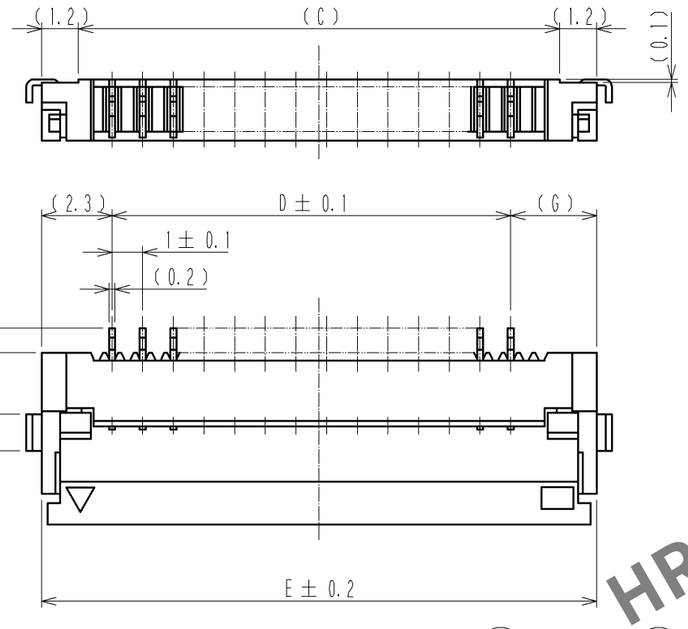
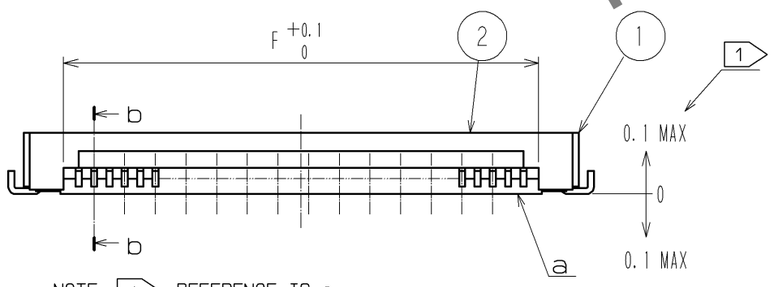
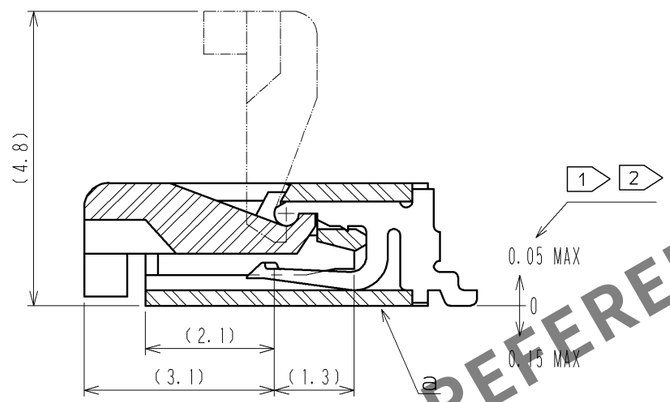
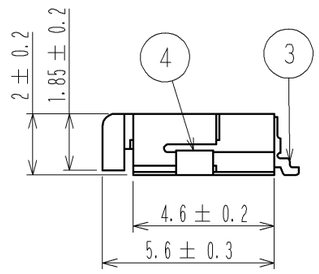




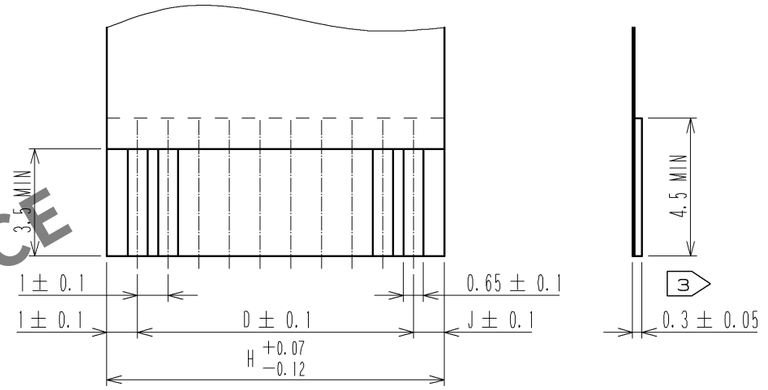


b-b (10 : 1)

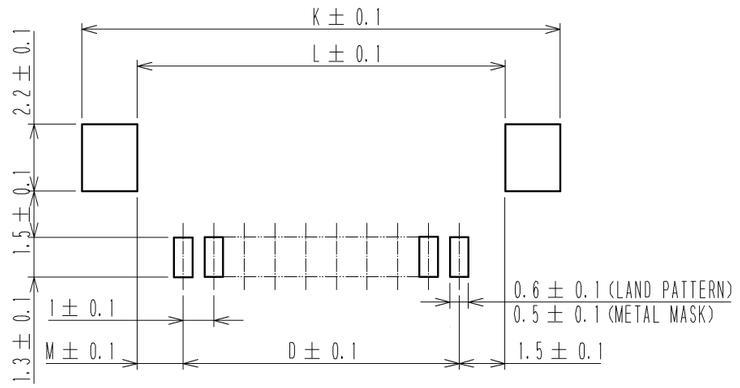




RECOMMENDED FPC, FFC (FREE)



RECOMMENDED LAND PATTERN, METAL MASK (FREE)



RECOMMENDED METAL MASK THICKNESS t=0.15

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.

HRS DRAWING FOR REFERENCE

〈16 CONTACTS OR LESS〉

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
2	PPS	(DEEP BROWN) UL94V-0	4	BRASS	TIN PLATING 1μm MIN. OVER NICKEL 1μm MIN.
1	POLYAMIDE	(BEIGE) UL94V-0	3	PHOSPHOR BRONZE	GOLD PLATING FLASH OVER NICKEL 1μm MIN.

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	5 : 1	△1	9	DIS-F-001245	MK. YASUMI	TN. KUWATA	07.06.13

HIROSE ELECTRIC CO., LTD.

APPROVED	MO. ISHIDA	05.01.05
CHECED	RI. TAKAYASU	05.01.05
DESIGNED	TH. MURAI	05.01.05
DRAWN	TH. MURAI	05.01.05

DRAWING NO.	EDC3-150545-51
PART NO.	FH12-*(*)SA-1SH(55)
CODE NO.	CL586

△1 1/4

FORM NO. 229-1

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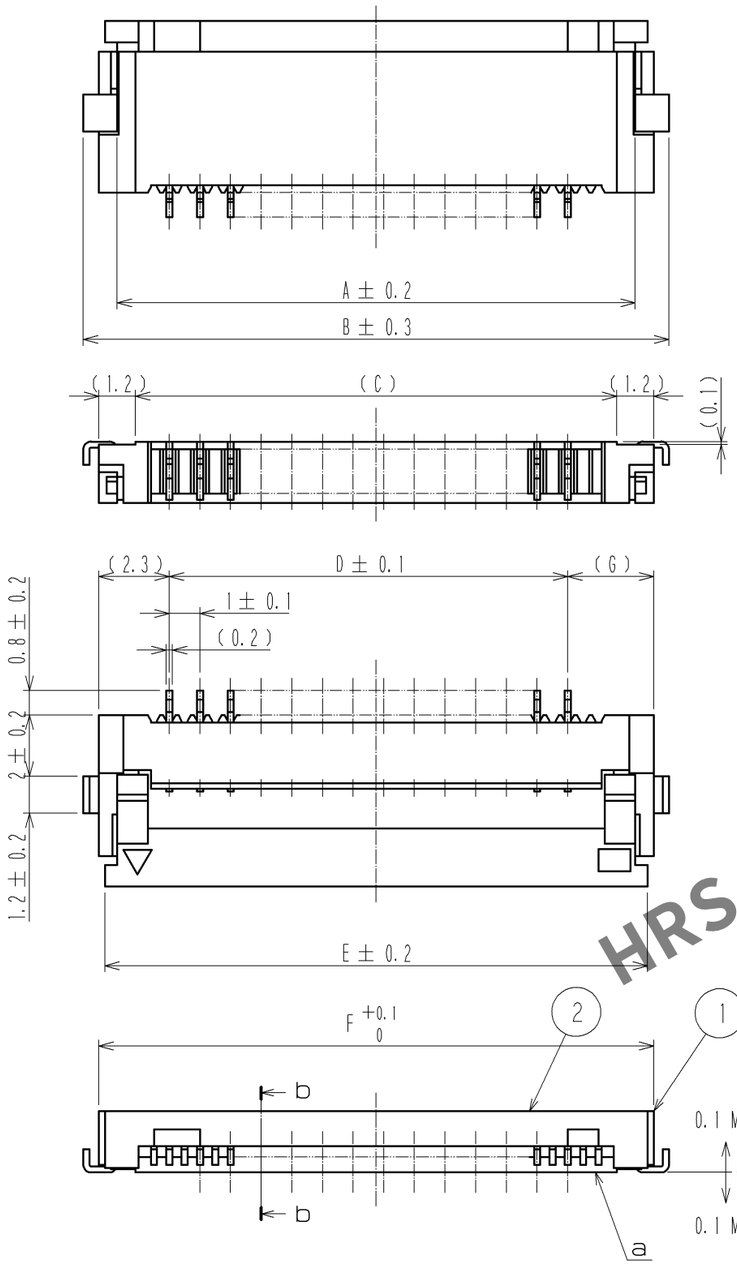
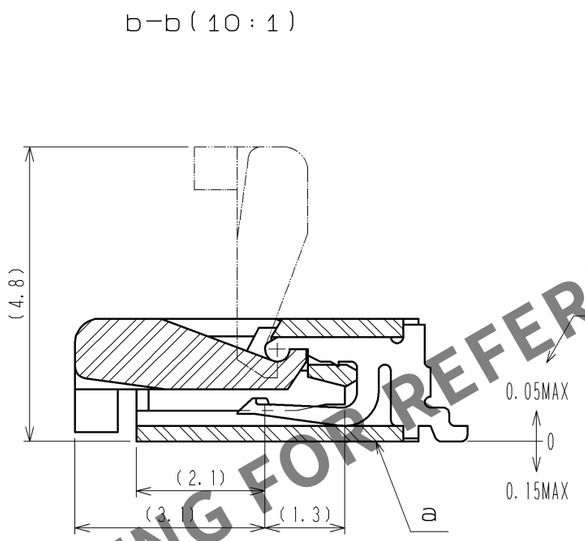
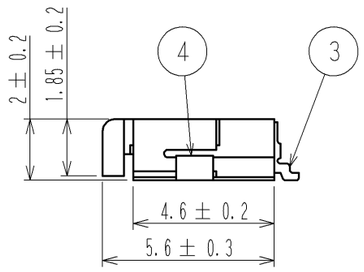
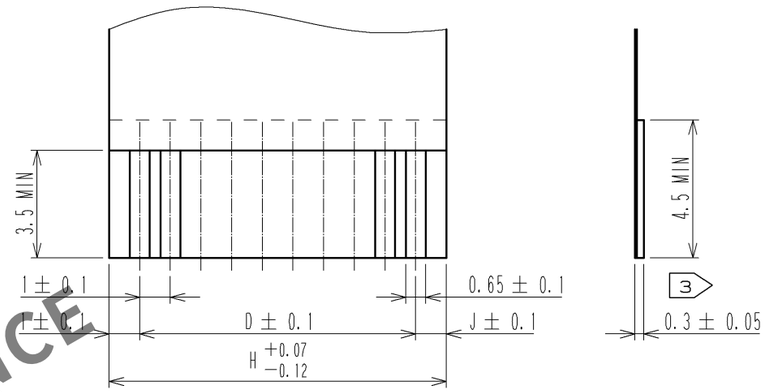
HRS DRAWING FOR REFERENCE



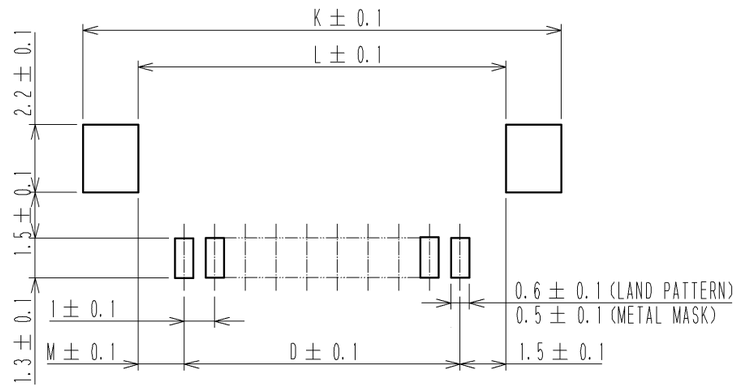




RECOMMENDED FPC, FFC (FREE)



RECOMMENDED LAND PATTERN, METAL MASK (FREE)



RECOMMENDED METAL MASK THICKNESS t=0.15

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.

<17 CONTACT OR MORE>

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
2	PPS	(DEEP BROWN) UL94V-0	4	BRASS	TIN PLATING 1μm MIN. OVER NICKEL 1μm MIN.
1	POLYAMIDE	(BEIGE) UL94V-0	3	PHOSPHOR BRONZE	GOLD PLATING FLASH OVER NICKEL 1μm MIN.

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	5 : 1	△1	9	DIS-F-001245	MK. YASUMI	TN. KUWATA	07.06.13

HIROSE ELECTRIC CO., LTD.

APPROVED	MO. ISHIDA	05.01.05
CHECED	RI. TAKAYASU	05.01.05
DESIGNED	TH. MURAI	05.01.05
DRAWN	TH. MURAI	05.01.05

DRAWING NO. EDC3-150545-51
PART NO. FH12-*(*)SA-1SH(55)
CODE NO. CL586
△1 2/4

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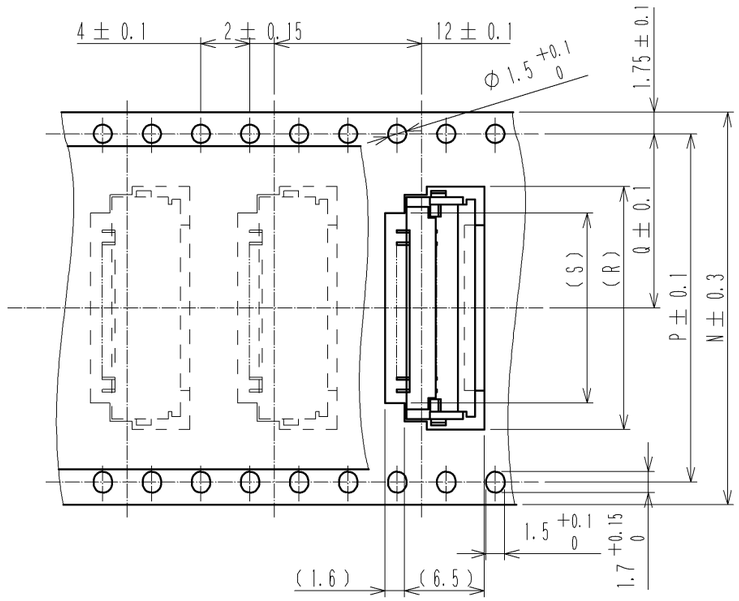
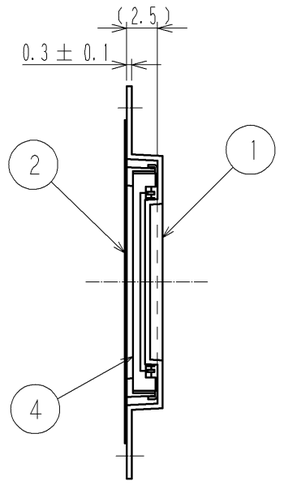
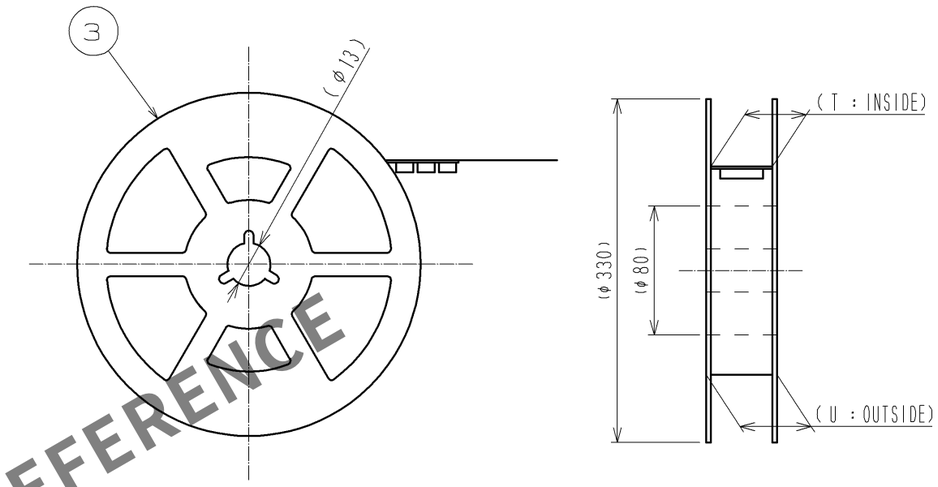
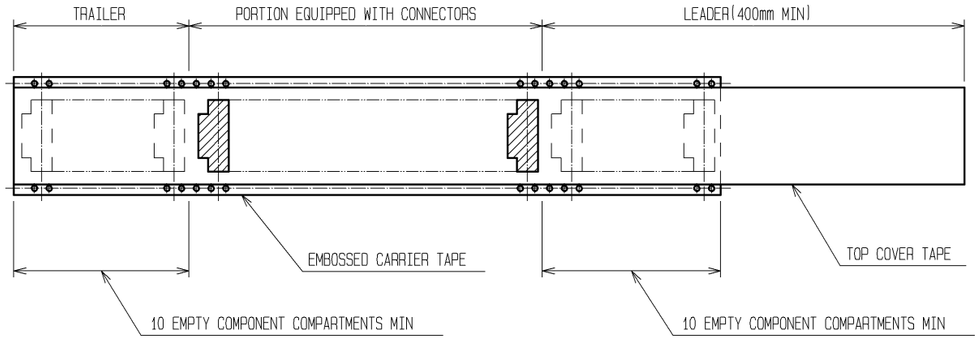
TAPE WIDTH:32mm MIN



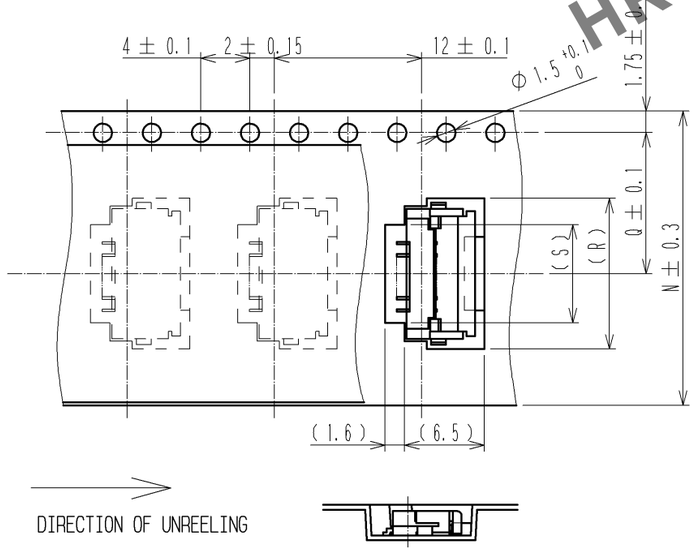


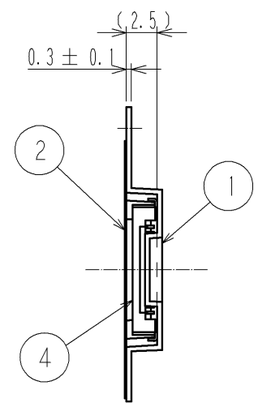
⚠1 REEL DIMENSION(SHOW AS BELOW)
(FREE)





TAPE WIDTH:24mm MAX





DIRECTION OF UNREELING

NOTE 1 THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
2 1 REEL : 2000 CONNECTORS.
3 SEE DIMENSION TABLE IN THE APPENDIX.

<DRAWING FOR PACKING>

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
2	POLTESTER		4	(CONNECTOR) ⚠1	
1	POLYSTYRENE		3	POLYSTYRENE ⚠1	

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2 : 1	⚠1		DIS-F-001245	MK. YASUMI	TN. KUWATA	07. 06. 13

HRS HIROSE ELECTRIC CO., LTD.

APPROVED	MO. ISHIDA	05. 01. 05	DRAWING NO. EDC3-150545-51
CHECED	RI. TAKAYASU	05. 01. 05	PART NO. FH12-*(*)SA-1SH(55)
DESIGNED	TH. MURAI	05. 01. 05	CODE NO. CL586 ⚠1 3/4
DRAWN	TH. MURAI	05. 01. 05	

FORM NO. 229-1

HRS DRAWING FOR REFERENCE

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

	PART NO.	CODE NO.	*	A	B	C	D	E	F	G	H	J	K	L	M
STANDARD TYPE	FH12- 5S-1SH(55)	CL586-0591-6-55	5	7.4	9.6	6.2	4	8.6	6.07	2.3	6	1	10.6	7	1.5
	FH12- 6S-1SH(55)	CL586-0607-4-55	6	8.4	10.6	7.2	5	9.6	7.07	2.3	7	1	11.6	8	1.5
	FH12- 7S-1SH(55)	CL586-0535-5-55	7	9.4	11.6	8.2	6	10.6	8.07	2.3	8	1	12.6	9	1.5
	FH12- 8S-1SH(55)	CL586-0579-0-55	8	10.4	12.6	9.2	7	11.6	9.07	2.3	9	1	13.6	10	1.5
	FH12- 9S-1SH(55)	CL586-0540-5-55	9	11.4	13.6	10.2	8	12.6	10.07	2.3	10	1	14.6	11	1.5
	FH12-11S-1SH(55)	CL586-0668-9-55	11	13.4	15.6	12.2	10	14.6	12.07	2.3	12	1	16.6	13	1.5
△1	FH12-12S-1SH(55)	CL586-0741-7-55	12	14.4	16.6	13.2	11	15.6	13.07	2.3	13	1	17.6	14	1.5
	FH12-16S-1SH(55)	CL586-0536-8-55	16	18.4	20.6	17.2	15	19.6	17.07	2.3	17	1	21.6	18	1.5
△1	FH12-17S-1SH(55)	CL586-0739-5-55	17	19.4	21.6	18.2	16	20.6	18.07	2.3	18	1	22.6	19	1.5
	FH12-22S-1SH(55)	CL586-0547-4-55	22	24.4	26.6	23.2	21	25.6	23.07	2.3	23	1	27.6	24	1.5
	FH12-26S-1SH(55)	CL586-0592-9-55	26	28.9	30.6	27.2	25	29.6	27.07	2.3	27	1	31.6	28	1.5
EXCENTRIC TYPE	FH12-10(4)SA-1SH(55)	CL586-0537-0-55	4	6.9	9.1	5.7	3	8.1	5.57	2.8	5.5	1.5	10.1	6.5	2
	FH12-14(6)SA-1SH(55)	CL586-0538-3-55	6	8.9	11.1	7.7	5	10.1	7.57	2.8	7.5	1.5	12.1	8.5	2
	FH12-18(8)SA-1SH(55)	CL586-0539-6-55	8	10.9	13.1	9.7	7	12.1	9.57	2.8	9.5	1.5	14.1	10.5	2
	FH12-22(10)SA-1SH(55)	CL586-0541-8-55	10	12.9	15.1	11.7	9	14.1	11.57	2.8	11.5	1.5	16.1	12.5	2
	FH12-24(11)SA-1SH(55)	CL586-0542-0-55	11	13.9	16.1	12.7	10	15.1	12.57	2.8	12.5	1.5	17.1	13.5	2
	FH12-30(14)SA-1SH(55)	CL586-0543-3-55	14	16.9	19.1	15.7	13	18.1	15.57	2.8	15.5	1.5	20.1	16.5	2
	FH12-40(19)SA-1SH(55)	CL586-0546-1-55	19	21.9	24.1	20.7	18	23.1	20.57	2.8	20.5	1.5	25.1	21.5	2
	FH12-50(24)SA-1SH(55)	CL586-0548-7-55	24	26.9	29.1	25.7	23	28.1	25.57	2.8	25.5	1.5	30.1	26.5	2

HRS DRAWING FOR REFERENCE

DIMENSION TABLE OF DRAWING FOR PACKING

	PART NO.	CODE NO.	*	N	P	Q	R	S	T △1	U △1
STANDARD TYPE	FH12- 5S-1SH(55)	CL586-0591-6-55	5	16	—	7.5	10.3	6	17.4	21.4
	FH12- 6S-1SH(55)	CL586-0607-4-55	6	24	—	11.5	11.3	7	25.4	29.4
	FH12- 7S-1SH(55)	CL586-0535-5-55	7	24	—	11.5	12.3	8	25.4	29.4
	FH12- 8S-1SH(55)	CL586-0579-0-55	8	24	—	11.5	13.3	9	25.4	29.4
	FH12- 9S-1SH(55)	CL586-0540-5-55	9	24	—	11.5	14.3	10	25.4	29.4
	FH12-11S-1SH(55)	CL586-0668-9-55	11	24	—	11.5	16.3	12	25.4	29.4
△1	FH12-12S-1SH(55)	CL586-0741-7-55	12	24	—	11.5	17.3	13	25.4	29.4
	FH12-16S-1SH(55)	CL586-0536-8-55	16	32	28.4	14.2	21.3	17	33.4	37.4
△1	FH12-17S-1SH(55)	CL586-0739-5-55	17	44	40.4	20.2	22.3	18	45.4	49.4
	FH12-22S-1SH(55)	CL586-0547-4-55	22	44	40.4	20.2	27.3	23	45.4	49.4
	FH12-26S-1SH(55)	CL586-0592-9-55	26	44	40.4	20.2	31.3	27	45.4	49.4
EXCENTRIC TYPE	FH12-10(4)SA-1SH(55)	CL586-0537-0-55	4	16	—	7.5	9.8	5.5	17.4	21.4
	FH12-14(6)SA-1SH(55)	CL586-0538-3-55	6	24	—	11.5	11.8	7.5	25.4	29.4
	FH12-18(8)SA-1SH(55)	CL586-0539-6-55	8	24	—	11.5	13.8	9.5	25.4	29.4
	FH12-22(10)SA-1SH(55)	CL586-0541-8-55	10	24	—	11.5	15.8	11.5	25.4	29.4
	FH12-24(11)SA-1SH(55)	CL586-0542-0-55	11	24	—	11.5	16.8	12.5	25.4	29.4
	FH12-30(14)SA-1SH(55)	CL586-0543-3-55	14	32	28.4	14.2	19.8	15.5	33.4	37.4
	FH12-40(19)SA-1SH(55)	CL586-0546-1-55	19	44	40.4	20.2	24.8	20.5	45.4	49.4
	FH12-50(24)SA-1SH(55)	CL586-0548-7-55	24	44	40.4	20.2	29.8	25.5	45.4	49.4

*: NUMBER OF CONTACT

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	:	△1	9	DIS-F-001245	MK. YASUMI	TN. KUWATA	07. 06. 13

HIROSE ELECTRIC CO., LTD.

APPROVED	MO. ISHIDA	05. 01. 05	DRAWING NO. EDC3-150545-51
CHECED	RI. TAKAYASU	05. 01. 05	PART NO. FH12-*(*)SA-1SH(55)
DESIGNED	TH. MURAI	05. 01. 05	CODE NO. CL586 △1 4/4
DRAWN	TH. MURAI	05. 01. 05	