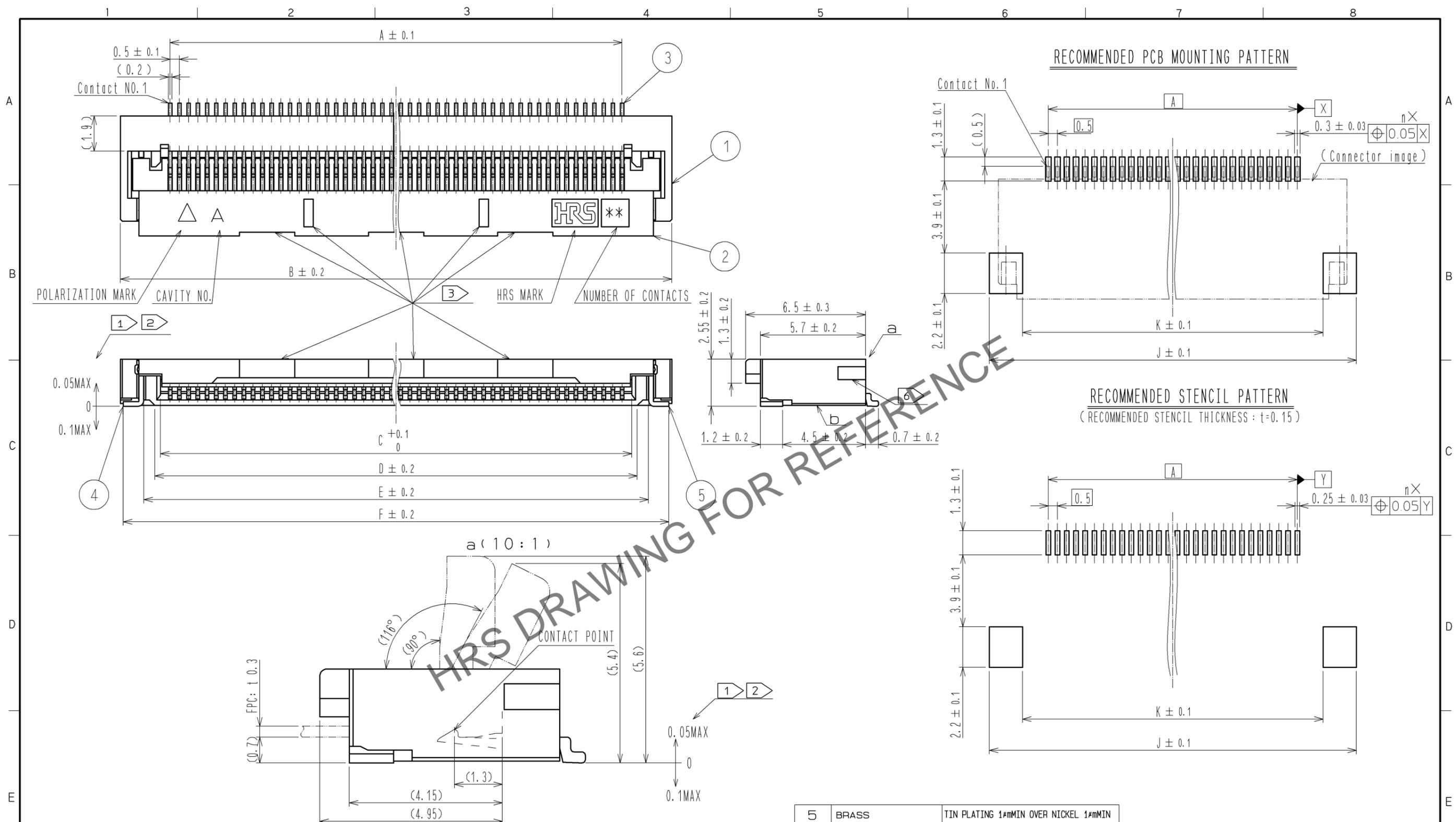


Jan.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.



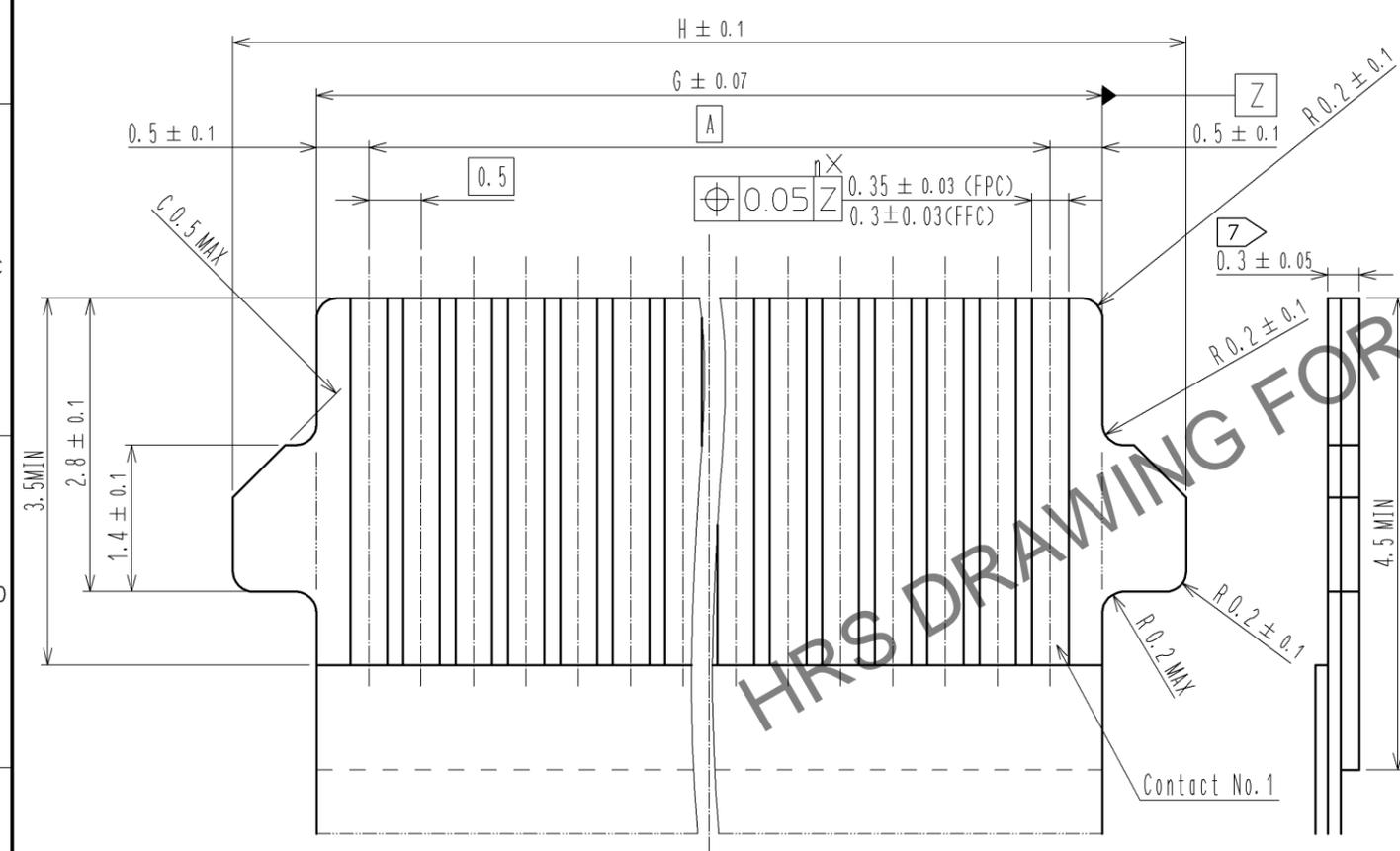
- NOTES
- 1 Lead CO-PLANARITY including reinforced metal fittings shall be 0.1 MAX.
 - 2 Dimension: from reference b.
 - 3 Indicates notches or holes to prevent sink marks. The design and the location are discretionary, depending on the number of contacts.
 4. This product satisfies halogen free requirements defined as 900ppm maximum chlorine, 900ppm maximum bromine, and 1500ppm maximum total of chlorine and bromine.
 5. 'n' represents the number of contacts.
 - 6 Indicates notches for attachment dust cover.
FH28 series : without notches.
FH28D series : with notches.
There is no difference in performance between FH28 series and FH28D series.

5	BRASS	TIN PLATING 1#mMIN OVER NICKEL 1#mMIN			
4	BRASS	TIN PLATING 1#mMIN OVER NICKEL 1#mMIN			
3	PHOSPHOR BRONZE	(CONTACT AREA-LEAD)GOLD PLATING 0.05#mMIN OVER NICKEL 1#mMIN. (OTHER)NICKEL PLATING 1#mMIN.	9	(CONNECTOR)	
2	LCP	(BLACK)	UL94V-0	7	POLYESTER
1	LCP	(GRAY)	UL94V-0	6	POLYSTYRENE
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS

UNITS mm		SCALE 5 : 1	COUNT 	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
APPROVED : MO. ISHIDA				13.10.16	DRAWING NO. EDC3-353836-02		
CHECED : HS. SAKAMOTO				13.10.16	PART NO. FH28-*S-0.5SH<10>		
DESIGNED : RT. IKEDA				13.10.11	PART NO. FH28D-*S-0.5SH<10>		
DRAWN : NM. SANPEI				13.10.10	CODE NO. CL586		

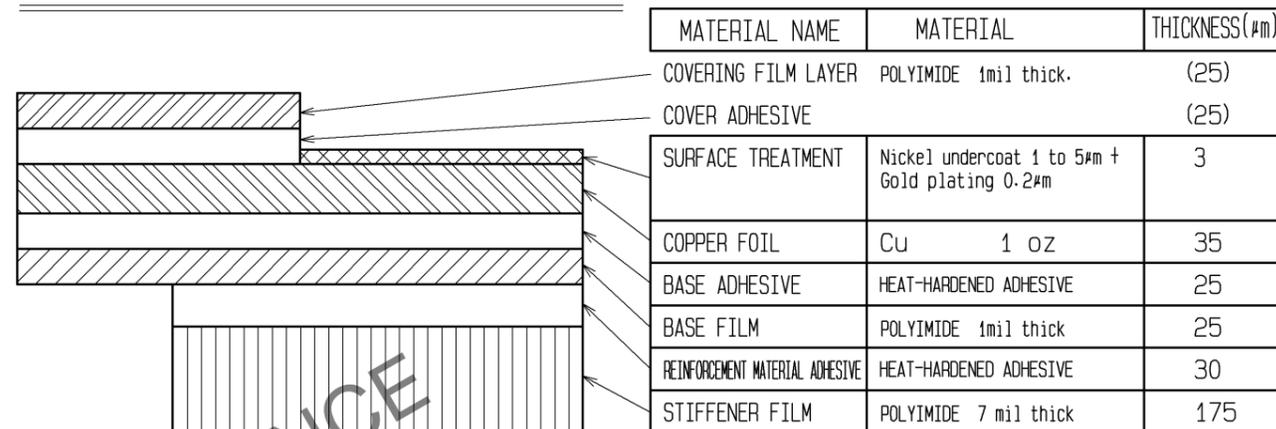
Jan.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

RECOMMENDED FPC/FFC (15:1)

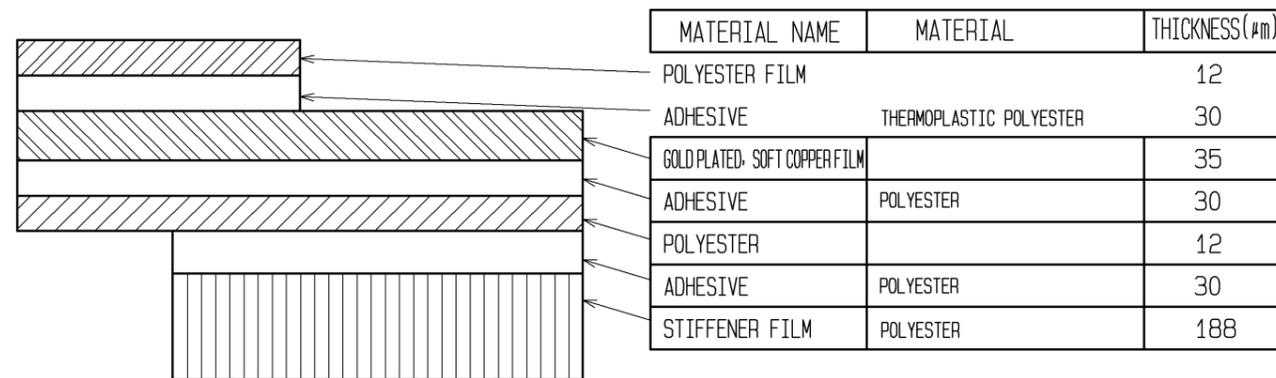


7 Thickness of supporting tape shall be 0.188(7.5mil) MIN.

FPC CONFIGURATION (REFERENCE EXAMPLE) (SCALE:FREE)

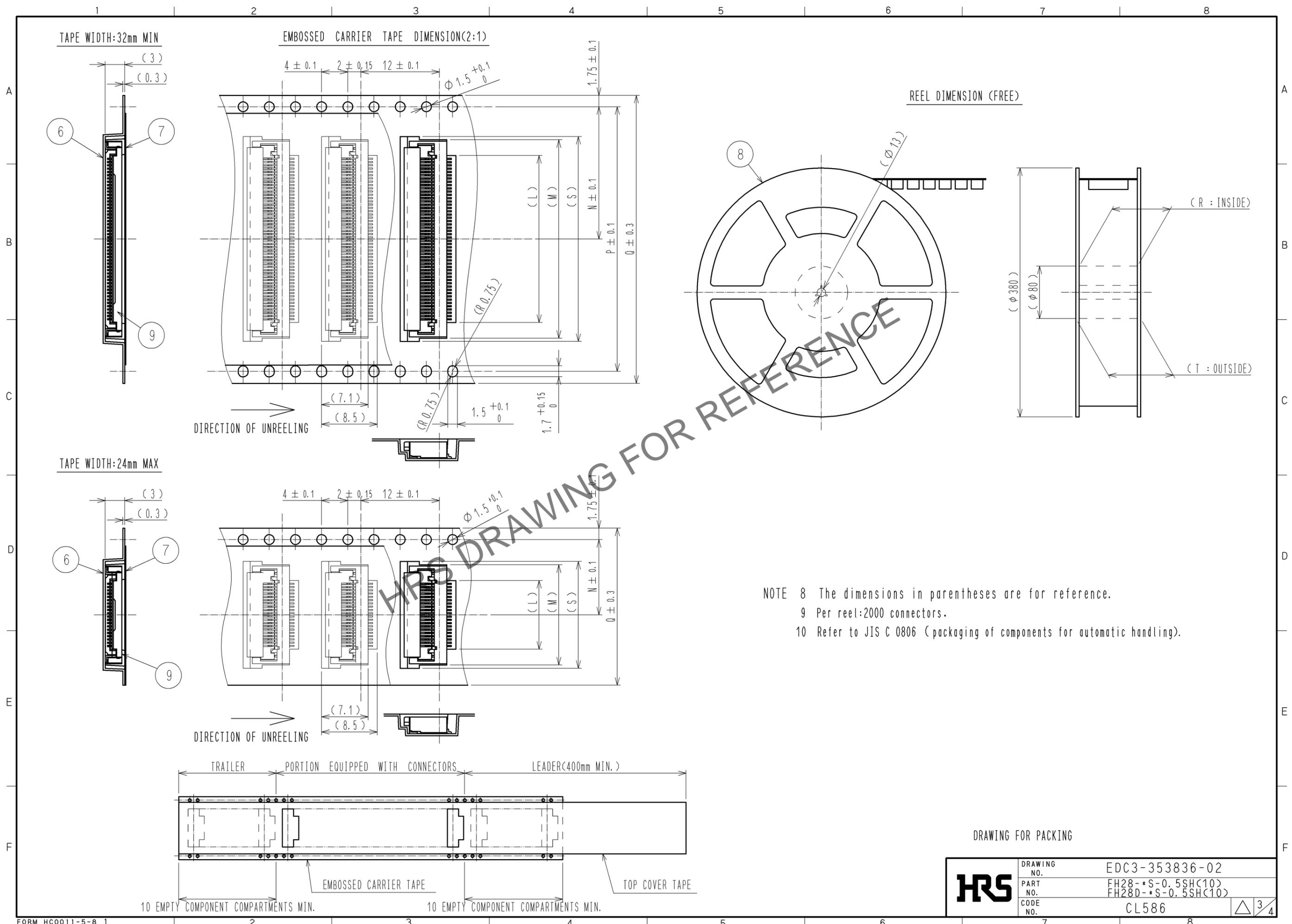


FFC CONFIGURATION (REFERENCE EXAMPLE) (SCALE:FREE)



HRS	DRAWING NO.	EDC3-353836-02
	PART NO.	FH28-*S-0.5SH<10> FH28D-*S-0.5SH<10>
	CODE NO.	CL586
		2/4

Jan.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.



NOTE 8 The dimensions in parentheses are for reference.
 9 Per reel:2000 connectors.
 10 Refer to JIS C 0806 (packaging of components for automatic handling).

DRAWING FOR PACKING

HRS	DRAWING NO.	EDC3-353836-02
	PART NO.	FH28-*S-0.5SH<10> FH28D-*S-0.5SH<10>
	CODE NO.	CL586
		3/4

Jan.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

PART NO.	CODE NO.	Number of contact	DIMENSION TABLE OF CONNECTOR, FPC, FFC, LAND PATTERN AND STENCIL PATTERN										DIMENSION TABLE OF DRAWING FOR PACKING							
			A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	T	S
FH28 -10S-0.5SH(10)	CL586-1861-4-10	10	4.5	9.9	5.57	6.15	7.35	9.58	5.5	7.1	10.6	7	5.5	10.3	11.5	-	24	25.4	29.4	11.3
FH28 -15S-0.5SH(10)	CL586-1868-3-10	15	7	12.4	8.07	8.65	9.85	12.08	8	9.6	13.1	9.5	8	12.8	11.5	-	24	25.4	29.4	13.8
FH28D-20S-0.5SH(10)	CL586-1823-5-10	20	9.5	14.9	10.57	11.15	12.35	14.58	10.5	12.1	15.6	12	10.5	15.3	11.5	-	24	25.4	29.4	16.3
FH28D-28S-0.5SH(10)	CL586-1835-4-10	28	13.5	18.9	14.57	15.15	16.35	18.58	14.5	16.1	19.6	16	14.5	19.3	14.2	28.4	32	33.4	37.4	20.3
FH28D-30S-0.5SH(10)	CL586-1827-6-10	30	14.5	19.9	15.57	16.15	17.35	19.58	15.5	17.1	20.6	17	15.5	20.3	14.2	28.4	32	33.4	37.4	21.3
FH28 -40S-0.5SH(10)	CL586-1803-8-10	40	19.5	24.9	20.57	21.15	22.35	24.58	20.5	22.1	25.6	22	20.5	25.3	20.2	40.4	44	45.4	49.4	-
FH28 -45S-0.5SH(10)	CL586-1848-6-10	45	22	27.4	23.07	23.65	24.85	27.08	23	24.6	28.1	24.5	23	27.8	20.2	40.4	44	45.4	49.4	28.8
FH28 -50S-0.5SH(10)	CL586-1801-2-10	50	24.5	29.9	25.57	26.15	27.35	29.58	25.5	27.1	30.6	27	25.5	30.3	20.2	40.4	44	45.4	49.4	-
FH28 -55S-0.5SH(10)	CL586-1800-0-10	55	27	32.4	28.07	28.65	29.85	32.08	28	29.6	33.1	29.5	28	32.8	20.2	40.4	44	45.4	49.4	-
FH28 -60S-0.5SH(10)	CL586-1811-6-10	60	29.5	34.9	30.57	31.15	32.35	34.58	30.5	32.1	35.6	32	30.5	35.3	26.2	52.4	56	57.4	61.4	-
FH28D-64S-0.5SH(10)	CL586-1813-1-10	64	31.5	36.9	32.57	33.15	34.35	36.58	32.5	34.1	37.6	34	32.5	37.3	26.2	52.4	56	57.4	61.4	-
FH28D-68S-0.5SH(10)	CL586-1819-8-10	68	33.5	38.9	34.57	35.15	36.35	38.58	34.5	36.1	39.6	36	34.5	39.3	26.2	52.4	56	57.4	61.4	-
FH28D-74S-0.5SH(10)	CL586-1828-9-10	74	36.5	41.9	37.57	38.15	39.35	41.58	37.5	39.1	42.6	39	37.5	42.3	26.2	52.4	56	57.4	61.4	43.3

HRS DRAWING FOR REFERENCE

HRS	DRAWING NO.	EDC3-353836-02	4/4
	PART NO.	FH28-*S-0.5SH(10) FH28D-*S-0.5SH(10)	
	CODE NO.	CL586	