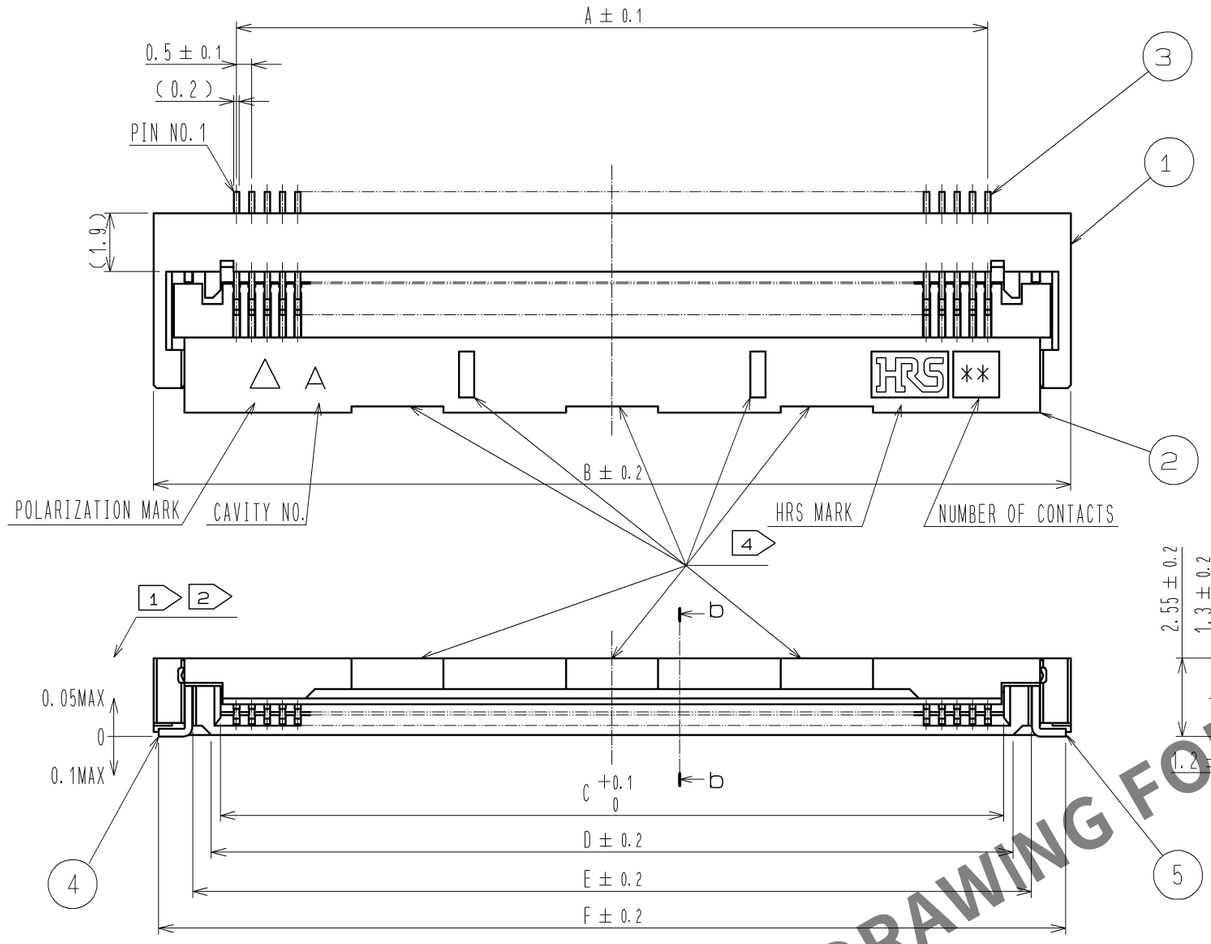
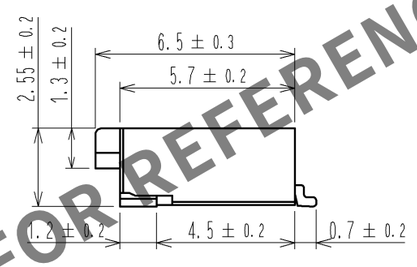
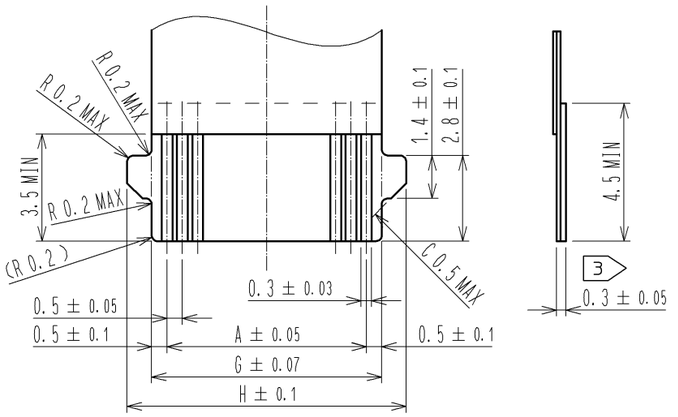
Feb.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

HRS DRAWING FOR REFERENCE

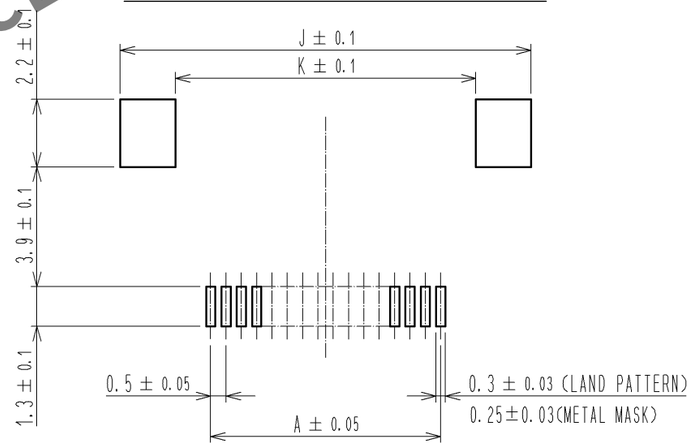




RECOMMENDED FPC/FFC (FREE)

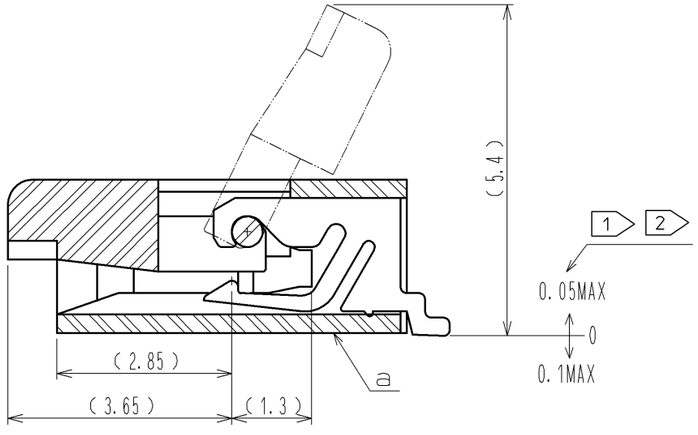


RECOMMENDED LAND PATTERN, METAL MASK(FREE)



RECOMMENDE METAL MASK THICKNESS : t=0.15

b–b (10 : 1)



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. INDICATES NOTCHES OR HOLES TO PREVENT SINK MARKS. THE DESIGN AND THE LOCATION ARE DISCRETIONARY, DEPENDING ON THE NUMBER OF CONTACTS.
5. THIS PRODUCT SATISFIES HALOGEN FREE REQUIREMENTS DEFINED AS 900 PPM MAXIMUM CHLORINE, 900 PPM MAXIMUM BROMINE, AND 1500 PPM MAXIMUM TOTAL OF CHLORINE AND BROMINE.

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
5	BRASS	TIN PLATING 1㎛MIN OVER NICKEL 1㎛MIN			
4	BRASS	TIN PLATING 1㎛MIN OVER NICKEL 1㎛MIN	9	(CONNECTOR)	
3	PHOSPHOR BRONZE	GOLD PLATING 0.05㎛MIN OVER NICKEL 1㎛MIN	8	POLYSTYRENE	
2	LCP	(BLACK) UL94V-0	7	POLYESTER	
1	LCP	(GRAY) UL94V-0	6	POLYSTYRENE	

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

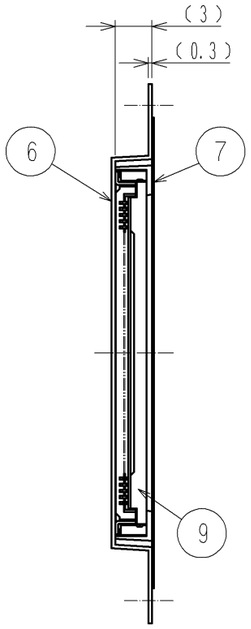
HIROSE ELECTRIC CO., LTD.

APPROVED	NM. NISHIMATSU	10.10.22
CHECED	HS. SAKAMOTO	10.10.21
DESIGNED	TO. SHIBUYA	10.10.20
DRAWN	TO. SHIBUYA	10.10.20

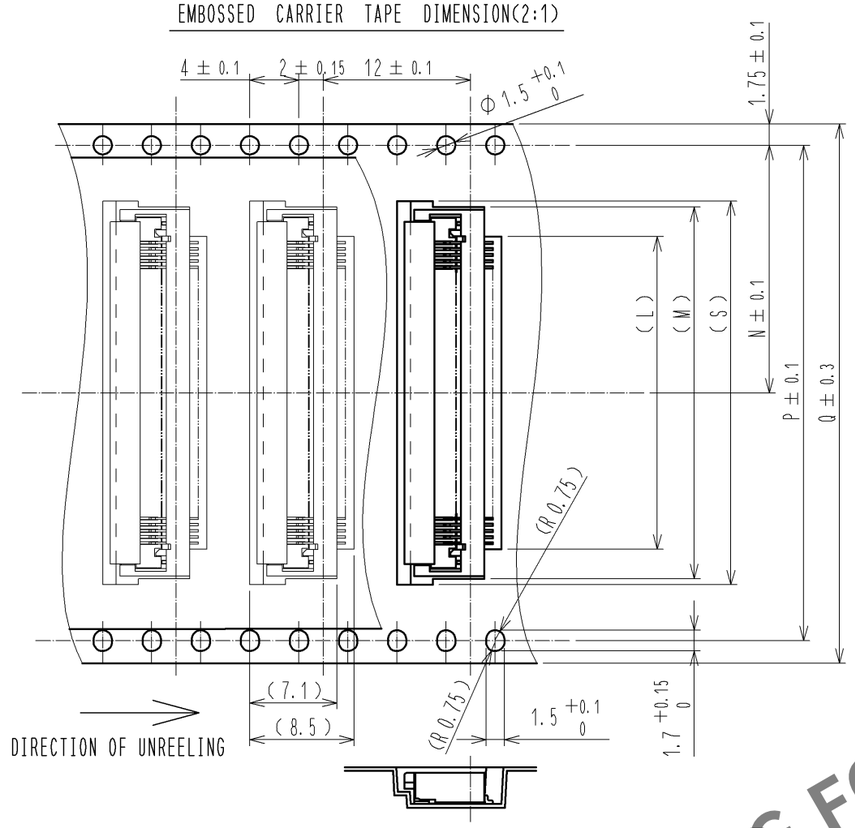
DRAWING NO.	EDC3-153887-07
PART NO.	FH28-*S-0.5SH(98)
CODE NO.	CL586

Feb.1.2024 Copyright 2024 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.

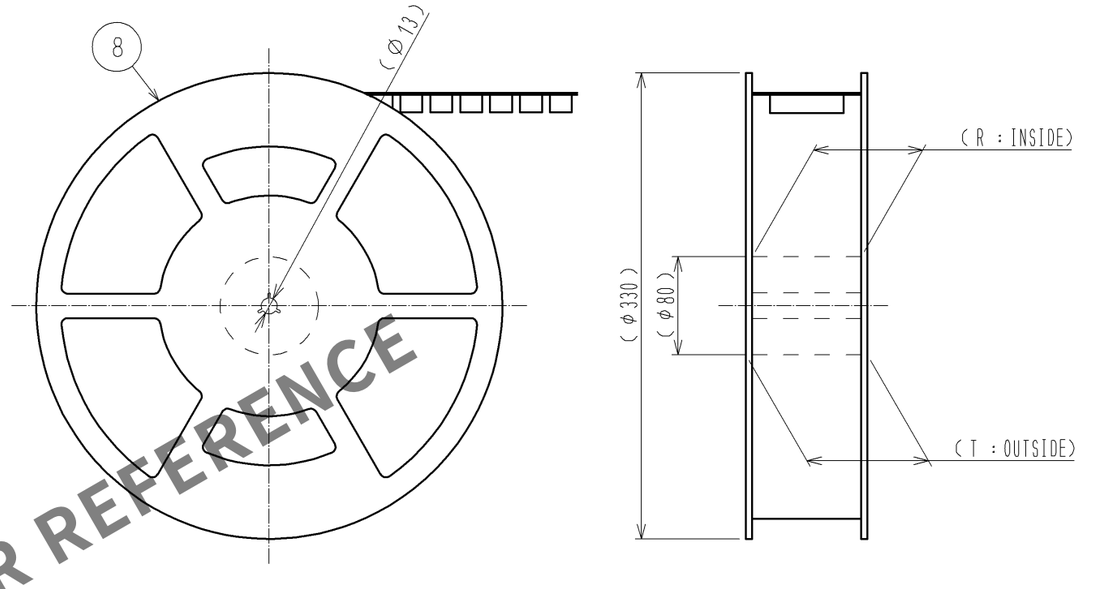
TAPE WIDTH:32mm MIN



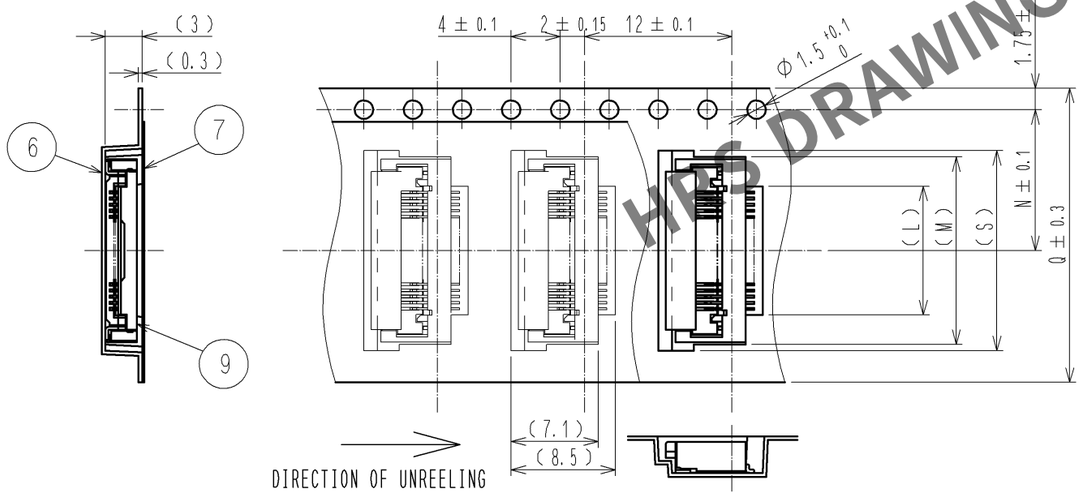
EMBOSSED CARRIER TAPE DIMENSION(2:1)

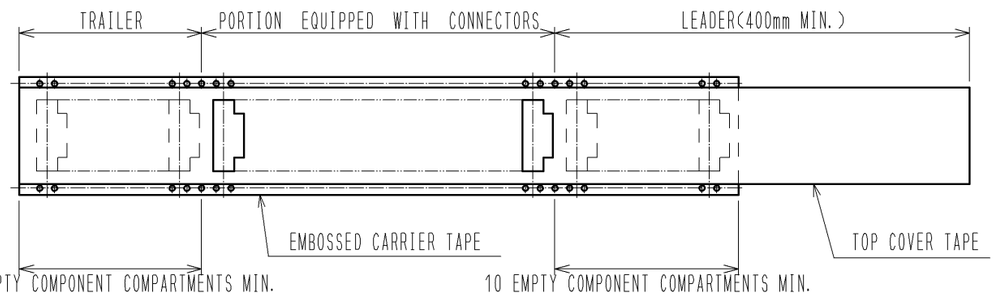


REEL DIMENSION (FREE)



TAPE WIDTH:24mm MAX





HRS DRAWING FOR REFERENCE

NOTE 6 THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
7 PER REEL:500 CONNECTORS.
8 REFER TO JIS C 0806 (PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING).

DRAWING FOR PACKING

DRAWING NO.	EDC3-153887-07
PART NO.	FH28-*S-0.5SH(98)
CODE NO.	CL586

Feb.1.2024 Copyright 2024 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.

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
FH28-10S-0.5SH(98)	CL586-1861-4-98	10	4.5	9.9	5.57	6.15	7.35	9.58	5.5	7.1	10.6	7
FH28-40S-0.5SH(98)	CL586-1803-8-98	40	19.5	24.9	20.57	21.15	22.35	24.58	20.5	22.1	25.6	22
FH28-45S-0.5SH(98)	CL586-1848-6-98	45	22	27.4	23.07	23.65	24.85	27.08	23	24.6	28.1	24.5
FH28-50S-0.5SH(98)	CL586-1801-2-98	50	24.5	29.9	25.57	26.15	27.35	29.58	25.5	27.1	30.6	27
FH28-55S-0.5SH(98)	CL586-1800-0-98	55	27	32.4	28.07	28.65	29.85	32.08	28	29.6	33.1	29.5
FH28-60S-0.5SH(98)	CL586-1811-6-98	60	29.5	34.9	30.57	31.15	32.35	34.58	30.5	32.1	35.6	32

DIMENSION TABLE OF DRAWING FOR PACKING

PART NO.	CODE NO.	*	L	M	N	P	Q	R	T	S
FH28-10S-0.5SH(98)	CL586-1861-4-98	10	5.5	10.3	11.5	-	24	25.4	29.4	11.3
FH28-40S-0.5SH(98)	CL586-1803-8-98	40	20.5	25.3	20.2	40.4	44	45.4	49.4	-
FH28-45S-0.5SH(98)	CL586-1848-6-98	45	23	27.8	20.2	40.4	44	45.4	49.4	28.8
FH28-50S-0.5SH(98)	CL586-1801-2-98	50	25.5	30.3	20.2	40.4	44	45.4	49.4	-
FH28-55S-0.5SH(98)	CL586-1800-0-98	55	28	32.8	20.2	40.4	44	45.4	49.4	-
FH28-60S-0.5SH(98)	CL586-1811-6-98	60	30.5	35.3	26.2	52.4	56	57.4	61.4	-

*: NUMBER OF CONTACTS

HRS DRAWING FOR REFERENCE

HRS	DRAWING NO.	EDC3-153887-07
	PART NO.	FH28-*S-0.5SH(98)
	CODE NO.	CL586 △ 3/3