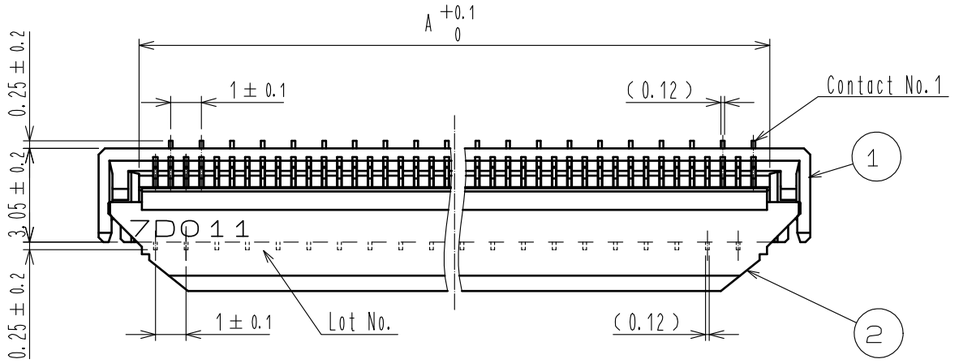
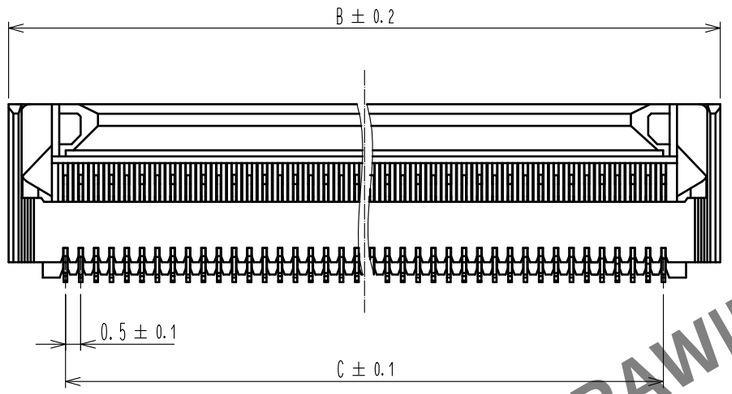
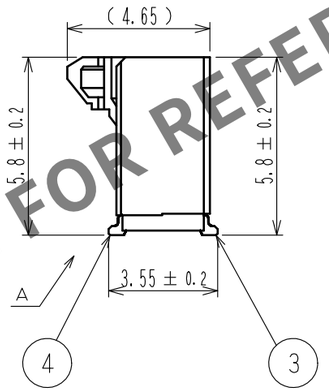
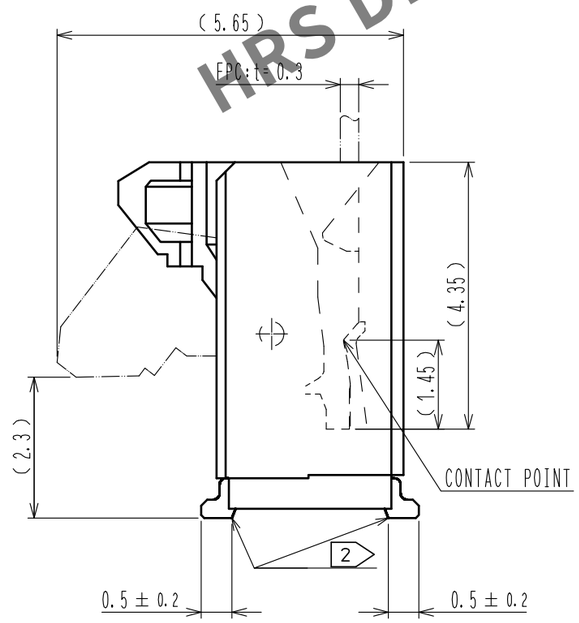
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A (10 : 1)



NOTES 1. The dimension in parentheses are for reference.
2. Lead CO-PLANARITY shall be 0.1 MAX.
3. See dimension table in the appendix.
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. See dimension table in the appendix.

HRS DRAWING FOR REFERENCE

NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS
4	PHOSPHOR BRONZE	(CONTACT AREA: LEAD) GOLD PLATING 0.05μm MIN. OVER NICKEL 1μm MIN. (OTHER) NICKEL 1μm MIN.			
3	PHOSPHOR BRONZE	(CONTACT AREA: LEAD) GOLD PLATING 0.05μm MIN. OVER NICKEL 1μm MIN. (OTHER) NICKEL 1μm MIN.	8	(CONNECTOR)	
			7	POLYSTYRENE	
2	LCP	(BLACK) UL94V-0	6	POLYESTER	
1	LCP	(BEIGE) UL94V-0	5	POLYSTYRENE	

UNITS	SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	5 : 1	0				

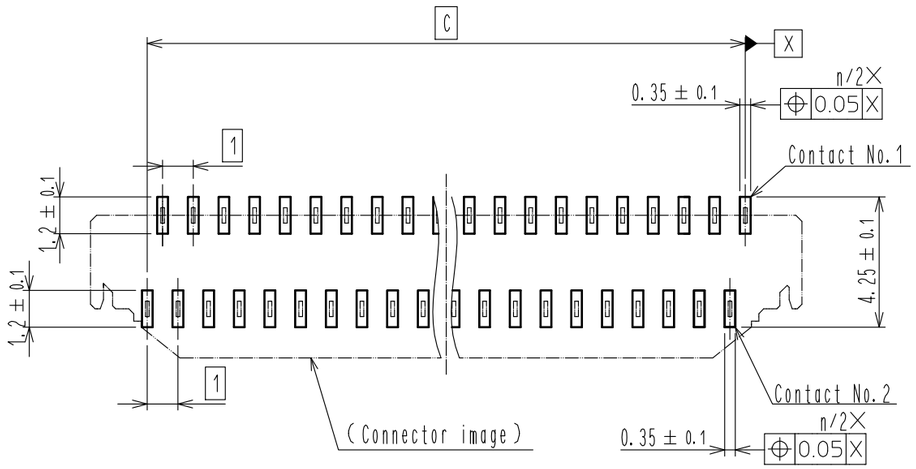
HIROSE ELECTRIC CO., LTD.

APPROVED	NF. MIYAZAKI	16. 10. 28	DRAWING NO. EDC-349783-00-00
CHECKED	YH. MICHIDA	16. 10. 28	PART NO. FH40-**S-0.5SV(99)
DESIGNED	RT. IKEDA	16. 10. 28	CODE NO. CL580
DRAWN	RK. OGASAWARA	16. 10. 28	0 1/5

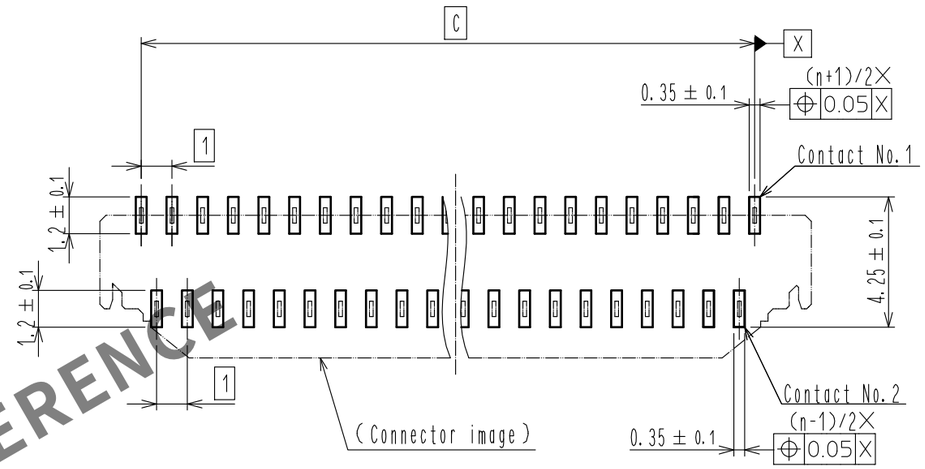
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RECOMMENDED PCB MOUNTING PATTERN

NUMBER OF CONTACTS: EVEN NUMBER



NUMBER OF CONTACTS: ODD NUMBER

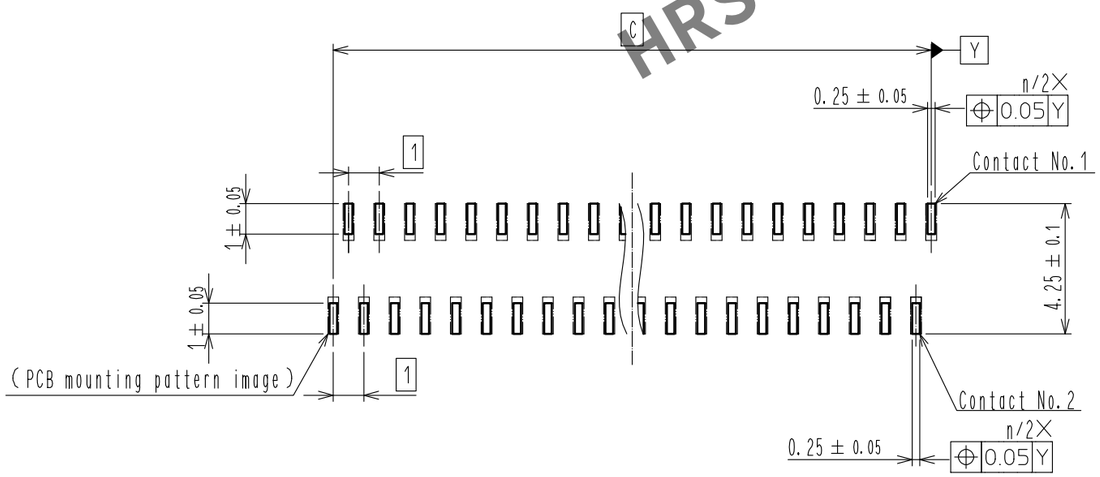


HRS DRAWING FOR REFERENCE

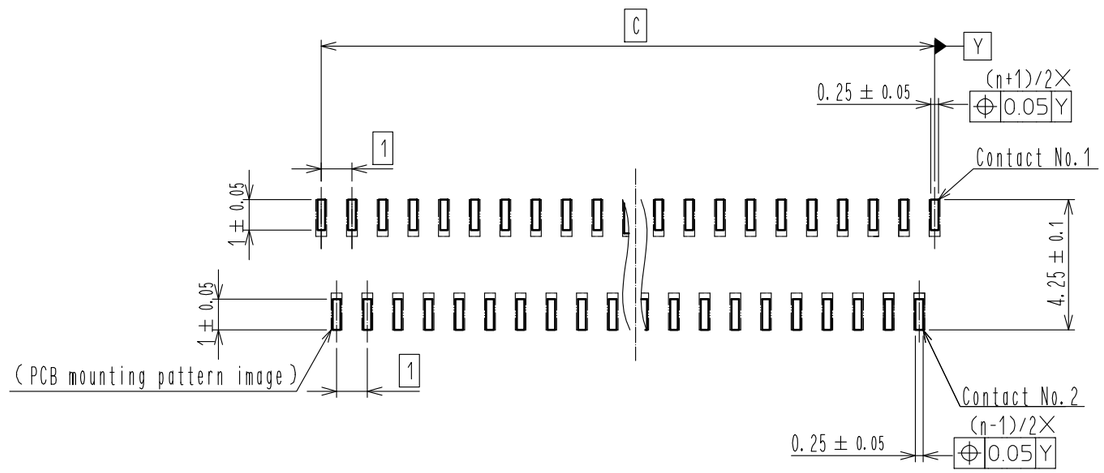
RECOMMENDED STENCIL PATTERN

(RECOMMENDED STENCIL THICKNESS : t=0.15)

NUMBER OF CONTACTS: EVEN NUMBER



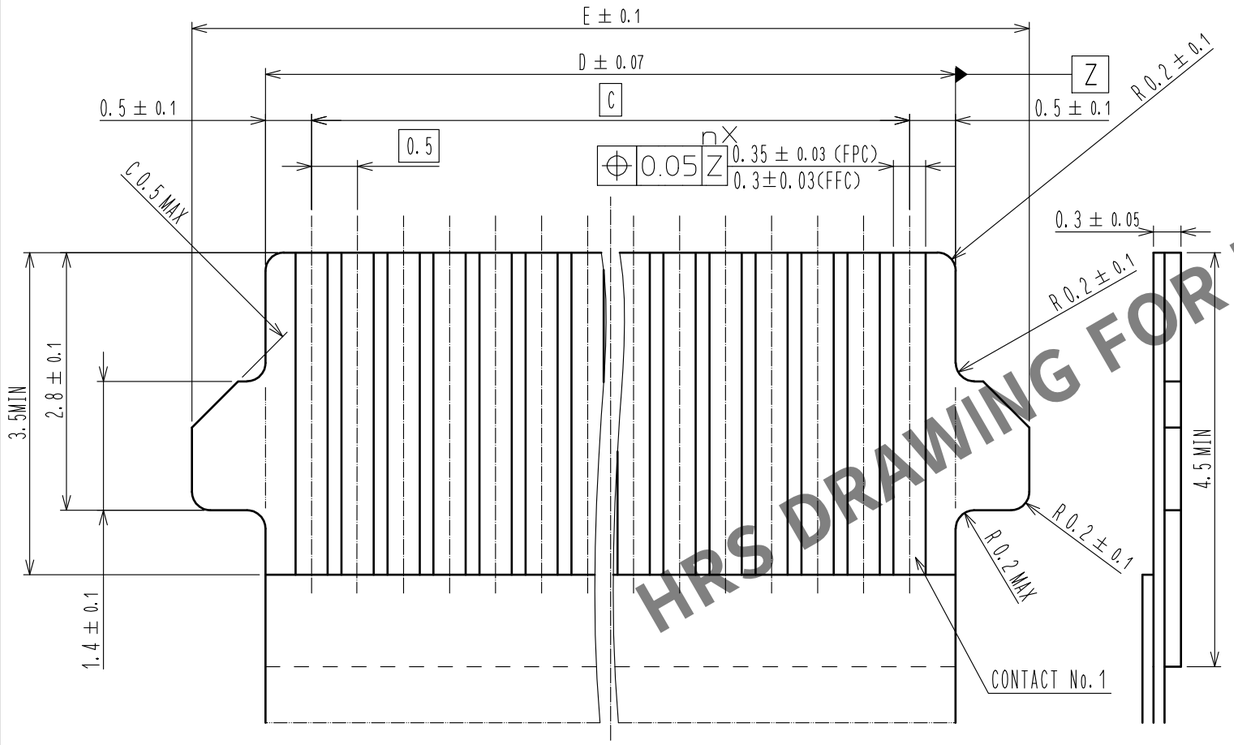
NUMBER OF CONTACTS: ODD NUMBER



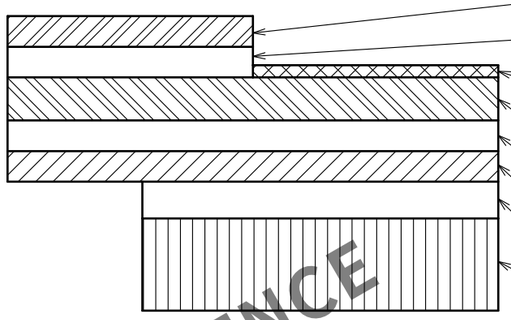
DRAWING NO.	EDC-349783-00-00
PART NO.	FH40-**S-0.5SV(99)
CODE NO.	CL580

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RECOMMENDED FPC/FFC (15:1)

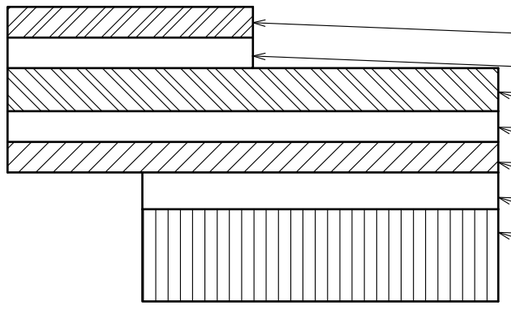


FPC CONFIGURATION (REFERENCE EXAMPLE) (SCALE:FREE)



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

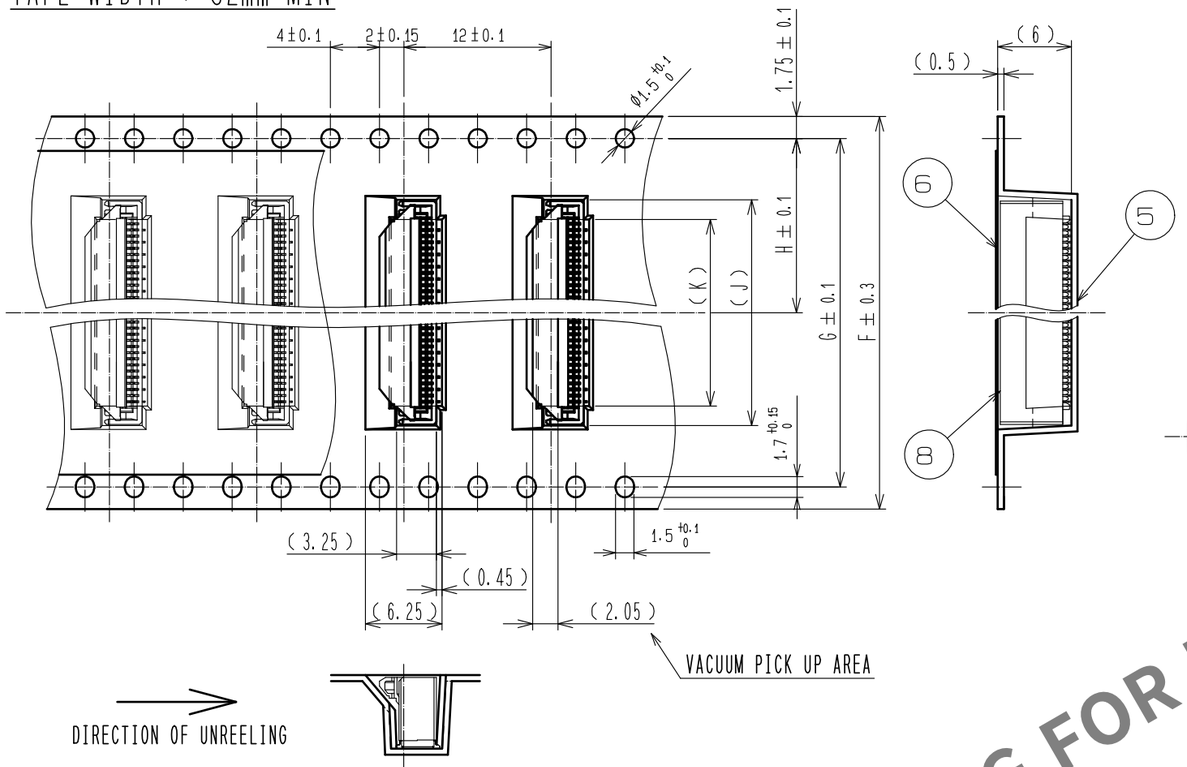
HRS DRAWING FOR REFERENCE

HRS	DRAWING NO.	EDC-349783-00-00
	PART NO.	FH40-**S-0.5SV(99)
	CODE NO.	CL580

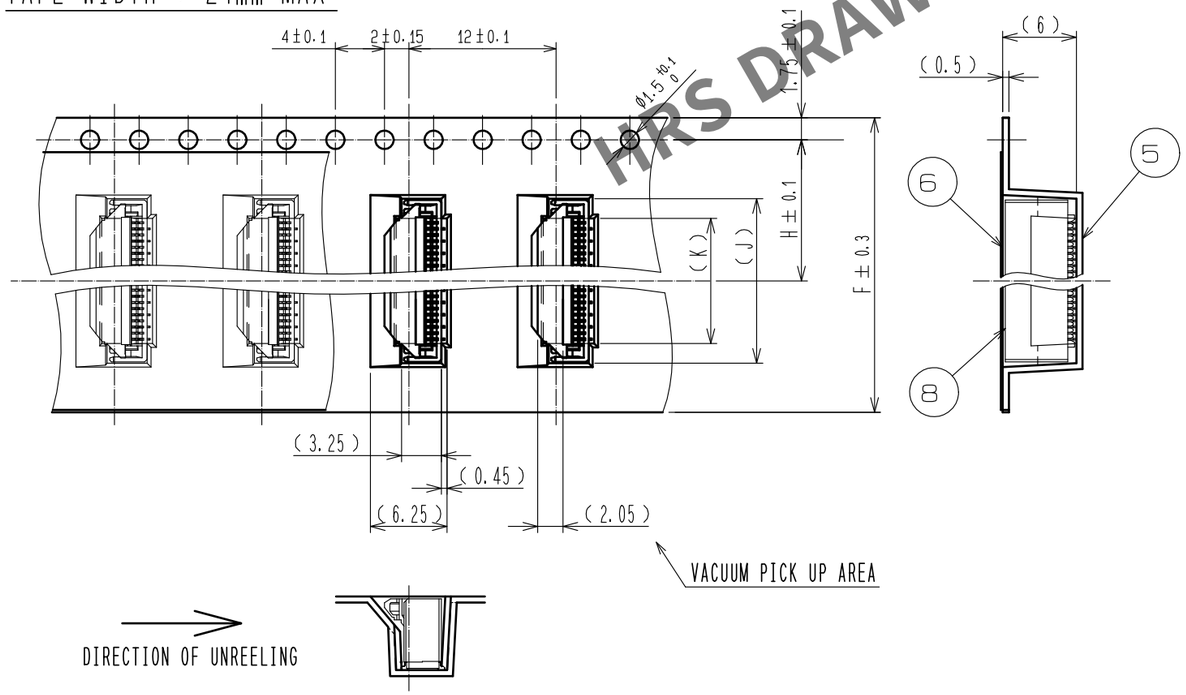
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EMBOSSED CARRIER TAPE DIMENSION (2:1)

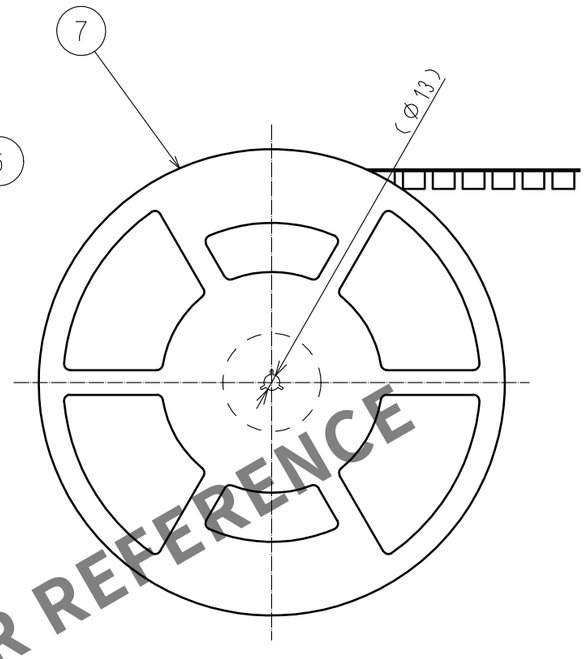
TAPE WIDTH : 32mm MIN

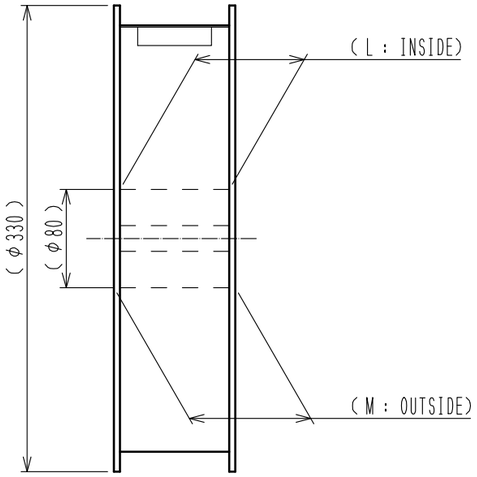


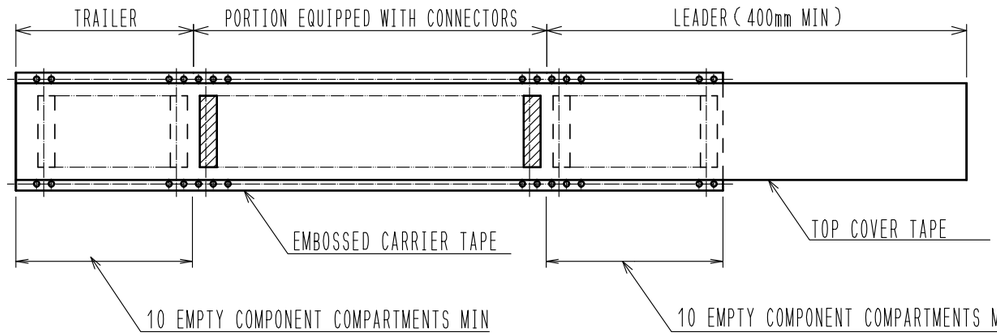
TAPE WIDTH : 24mm MAX



REEL DIMENSIONS(No Scale)







NOTES 7. 1 reel : 500 connectors.
8. Refer to JIS C 0806 and IEC 60286-3 (Packaging of components for automatic handling.)

HRS DRAWING FOR REFERENCE

<DRAWING FOR PACKING>

HRS	DRAWING NO.	EDC-349783-00-00
	PART NO.	FH40-**S-0.5SV(99)
	CODE NO.	CL580

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PART NO.	CODE NO.	NUMBER OF CONTACT	DIMENSION OF CONNECTOR, PCB MOUNTING PATTERN, STENCIL PATTERN AND FFC/FPC					DIMENSION OF DRAWING FOR PACKING						
			A	B	C	D	E	F	G	H	J	K	L	M
FH40-10S-0.5SV(99)	CL580-2104-6-99	10	5.57	8.2	4.5	5.5	7.1	16	—	7.5	8.4	5.2	17.4	21.4
FH40-20S-0.5SV(99)	CL580-2105-9-99	20	10.57	13.2	9.5	10.5	12.1	24	—	11.5	13.4	10.2	25.4	29.4
FH40-24S-0.5SV(99)	CL580-2106-1-99	24	12.57	15.2	11.5	12.5	14.1	24	—	11.5	15.4	12.2	25.4	29.4
FH40-30S-0.5SV(99)	CL580-2108-7-99	30	15.57	18.2	14.5	15.5	17.1	32	28.4	14.2	18.4	15.2	33.4	37.4
FH40-40S-0.5SV(99)	CL580-2107-4-99	40	20.57	23.2	19.5	20.5	22.1	44	40.4	20.2	23.4	20.2	45.4	49.4
FH40-45S-0.5SV(99)	CL580-2101-8-99	45	23.07	25.7	22	23	24.6	44	40.4	20.2	25.9	22.7	45.4	49.4
FH40-50S-0.5SV(99)	CL580-2100-5-99	50	25.57	28.2	24.5	25.5	27.1	44	40.4	20.2	28.4	25.2	45.4	49.4
FH40-60S-0.5SV(99)	CL580-2109-0-99	60	30.57	33.2	29.5	30.5	32.1	56	52.4	26.2	33.4	30.2	57.4	61.4
FH40-64S-0.5SV(99)	CL580-2102-0-99	64	32.57	35.2	31.5	32.5	34.1	56	52.4	26.2	35.4	32.2	57.4	61.4
FH40-80S-0.5SV(99)	CL580-2103-3-99	80	40.57	43.2	39.5	40.5	42.1	56	52.4	26.2	43.4	40.2	57.4	61.4

HRS DRAWING FOR REFERENCE

HRS	DRAWING NO.	EDC-349783-00-00
	PART NO.	FH40-**S-0.5SV(99)
	CODE NO.	CL580