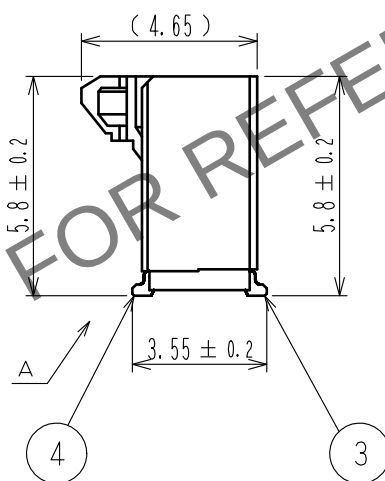
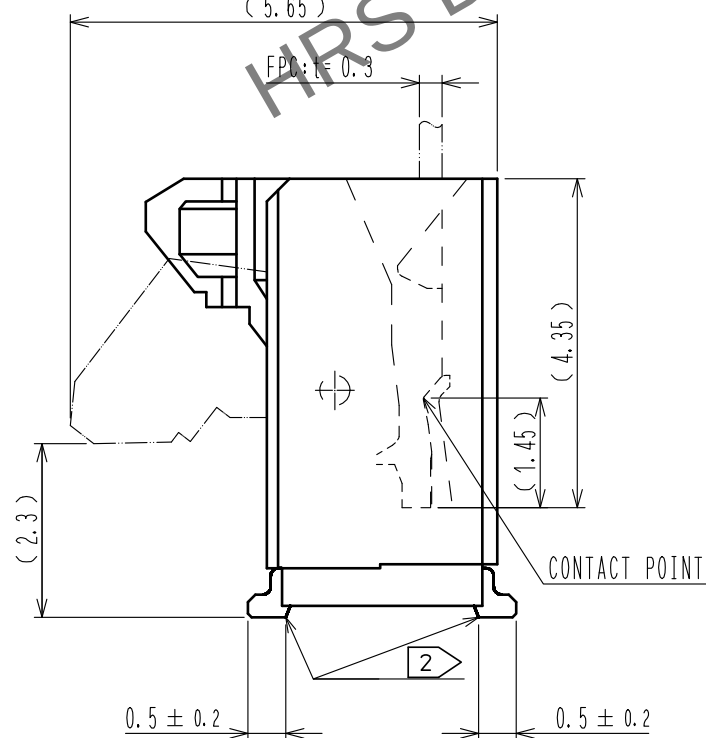
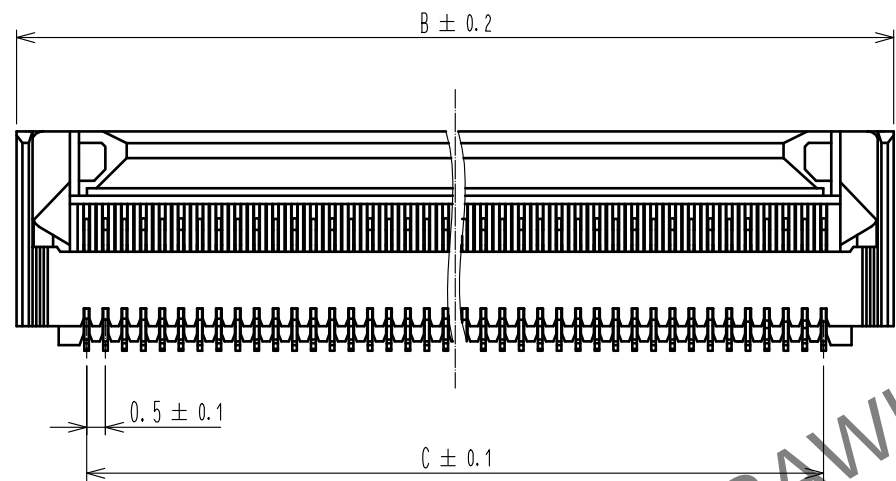
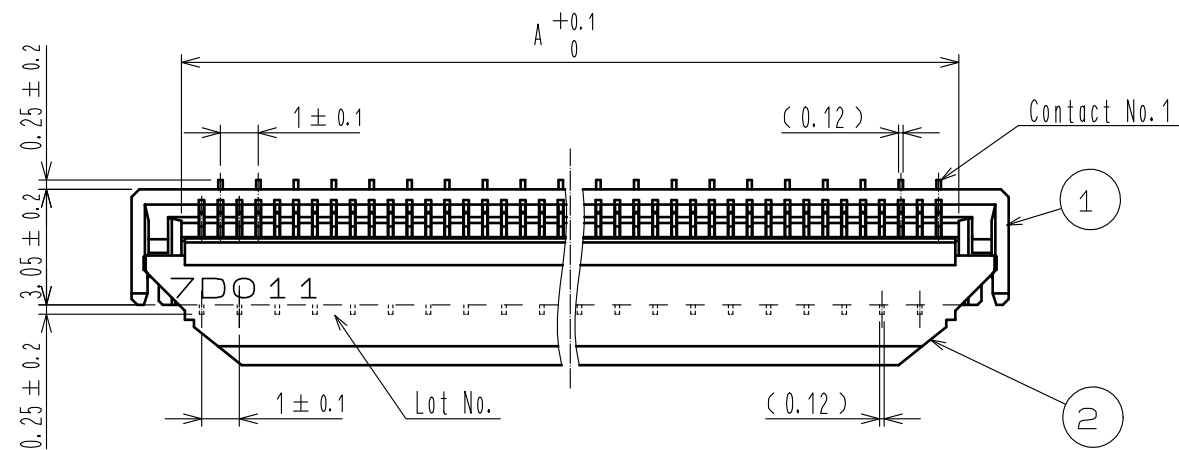


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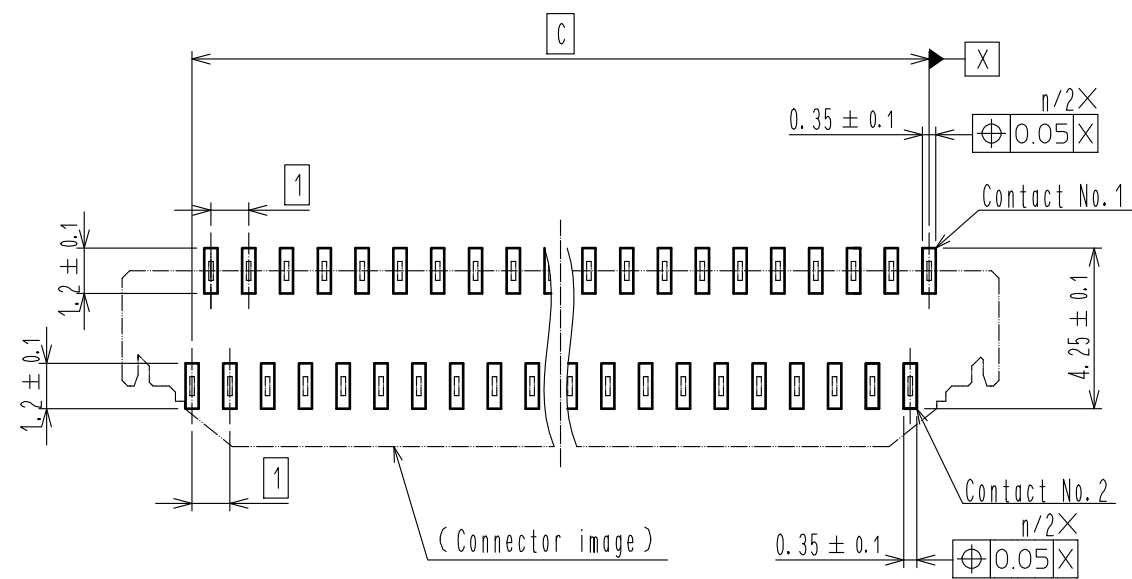
- NOTES 1. The dimension in parentheses are for reference.
2. Lead CO-PLANARITY shall be 0.1 MAX.
3. See dimension table in the appendix.
4. This product satisfies halogen free requirements defined as 900ppm maximum chlorine, 900ppm maximum bromine, and 1500ppm maximum total of chlorine and bromine.
5. 'n' represents the number of contacts.
6. See dimension table in the appendix.

4	PHOSPHOR BRONZE	(CONTACT AREA: LEAD) GOLD PLATING 0.05 μ m MIN. OVER NICKEL 1 μ m MIN. (OTHER) NICKEL 1 μ m MIN.			
3	PHOSPHOR BRONZE	(CONTACT AREA: LEAD) GOLD PLATING 0.05 μ m MIN. OVER NICKEL 1 μ m MIN. (OTHER) NICKEL 1 μ m MIN.	8	(CONNECTOR)	
2	LCP	(BLACK) UL94V-0	7	POLYSTYRENE	
1	LCP	(BEIGE) UL94V-0	6	POLYESTER	
			5	POLYSTYRENE	
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS
UNITS mm		SCALE 5 : 1	COUNT 	DESCRIPTION OF REVISIONS	DESIGNED CHECKED DATE
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		

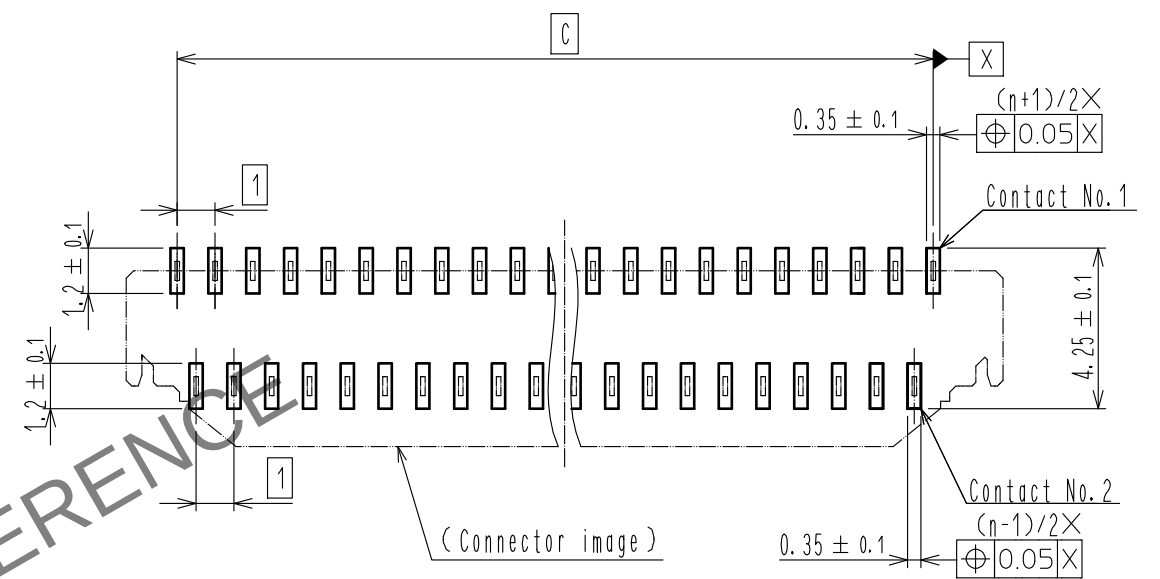
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RECOMMENDED PCB MOUNTING PATTERN

NUMBER OF CONTACTS: EVEN NUMBER

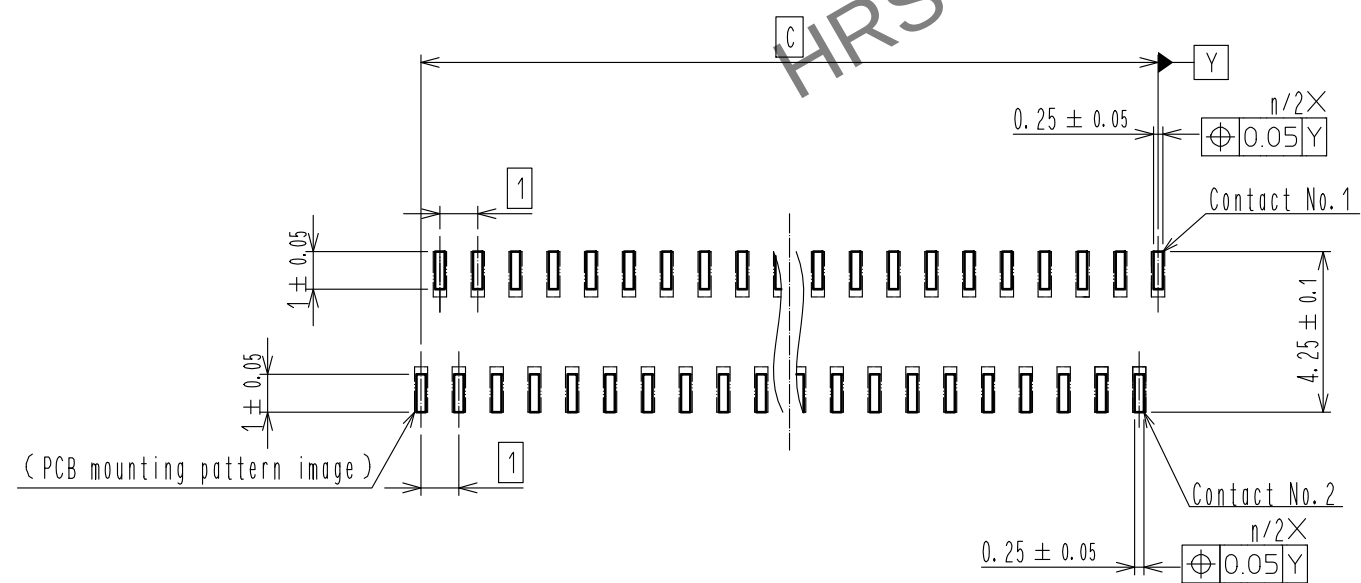


NUMBER OF CONTACTS: ODD NUMBER

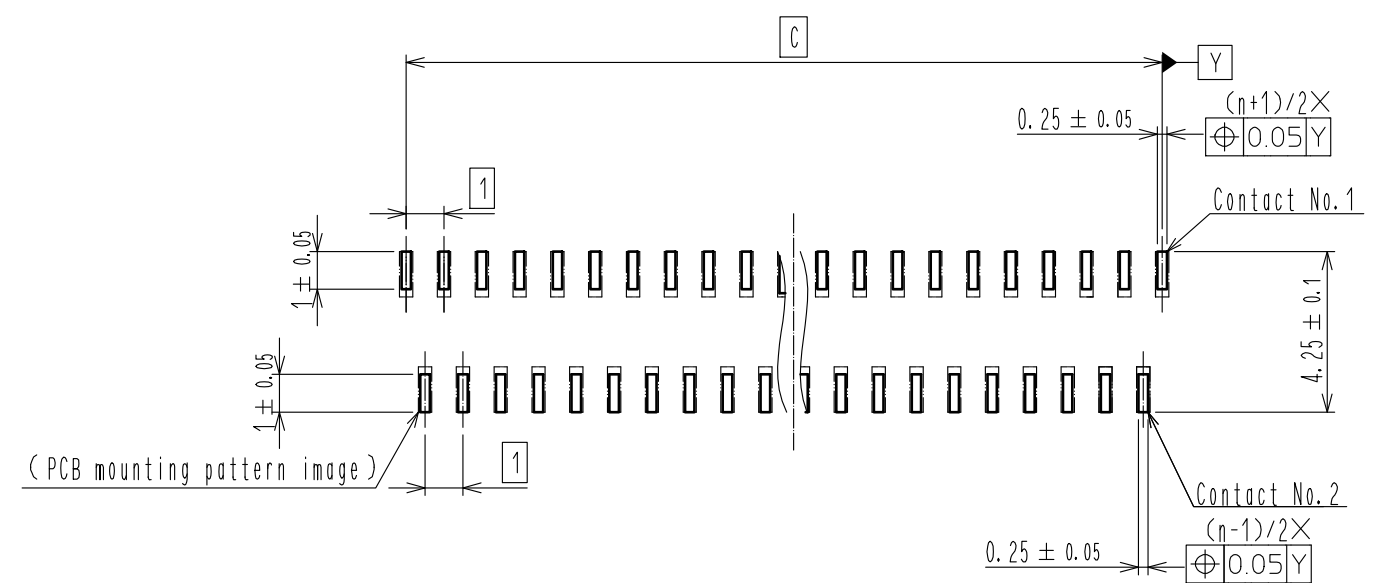


RECOMMENDED STENCIL PATTERN (RECOMMENDED STENCIL THICKNESS : $t=0.15$)

NUMBER OF CONTACTS: EVEN NUMBER



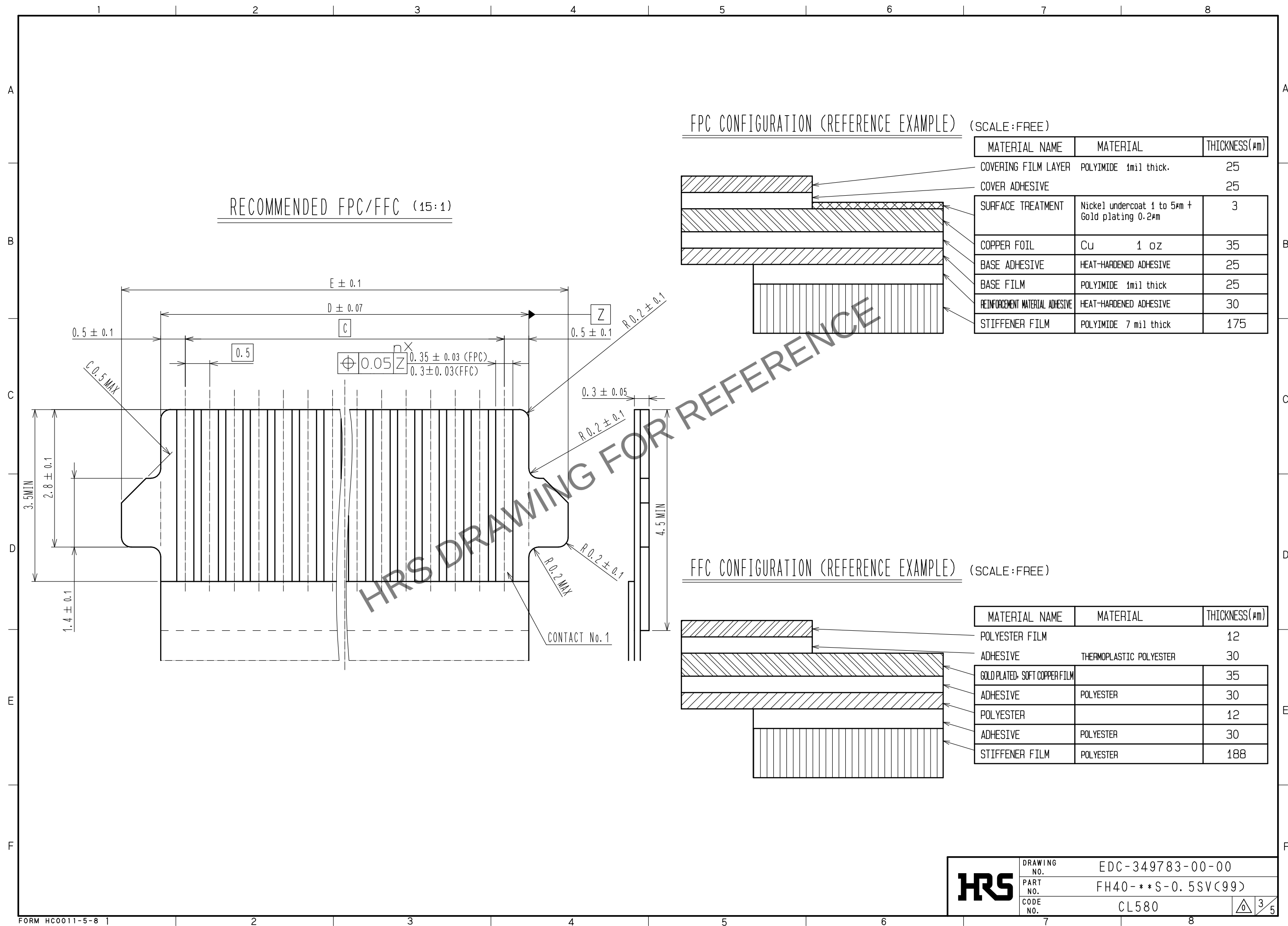
NUMBER OF CONTACTS: ODD NUMBER



HRS

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

2/5



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

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 NO.	EDC-349783-00-00		
	PART NO.	FH40-**S-0.5SV(99)		
	CODE NO.	CL580		$\frac{3}{5}$

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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 NO.	EDC-349783-00-00		
PART NO.	FH40-**S-0.5SV(99)		
CODE NO.	CL580	5	5

Mouser Electronics

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