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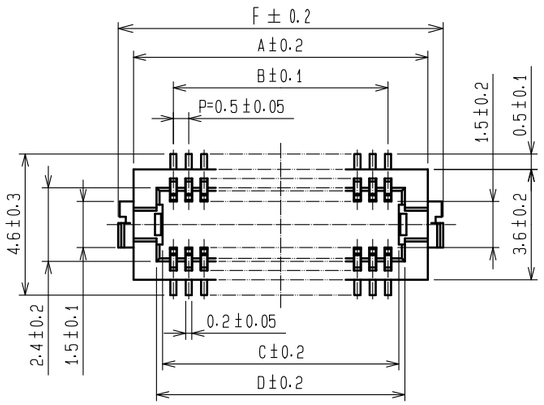
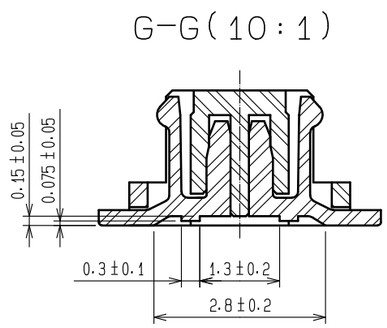
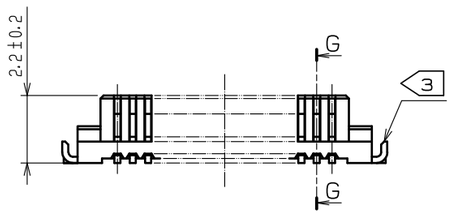
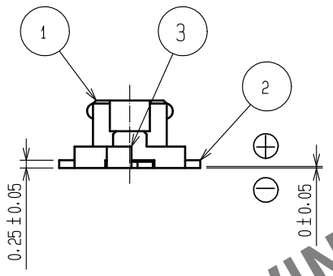
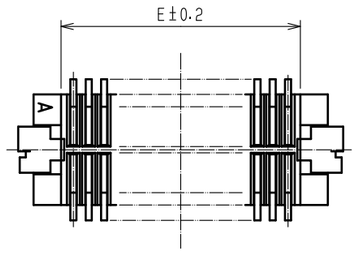




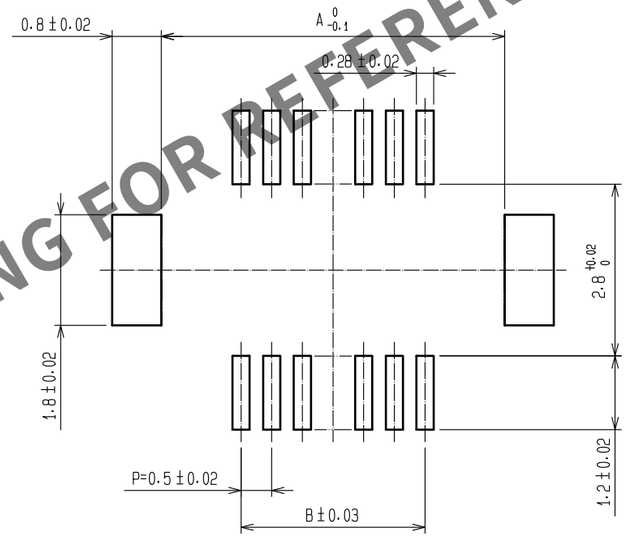
CODE No.	CONTACT	A	B	C	D	E	F
CL537-0097-0-51	10	4.6	2.0	2.7	3.1	2.8	5.6
CL537-0098-0-51	14	5.6	3.0	3.7	4.1	3.8	6.6
CL537-0099-0-51	20	7.1	4.5	5.2	5.6	5.3	8.1
CL537-0185-0-51	30	9.6	7.0	7.7	8.1	7.8	10.6
CL537-0186-0-51	32	10.1	7.5	8.2	8.6	8.3	11.1
CL537-0187-0-51	36	11.1	8.5	9.2	9.6	9.3	12.1
CL537-0188-0-51	40	12.1	9.5	10.2	10.6	10.3	13.1
CL537-0189-0-51	50	14.6	12.0	12.7	13.1	12.8	15.6
CL537-0190-0-51	60	17.1	14.5	15.2	15.6	15.3	18.1
CL537-0095-0-51	80	22.1	19.5	20.2	20.6	20.3	23.1





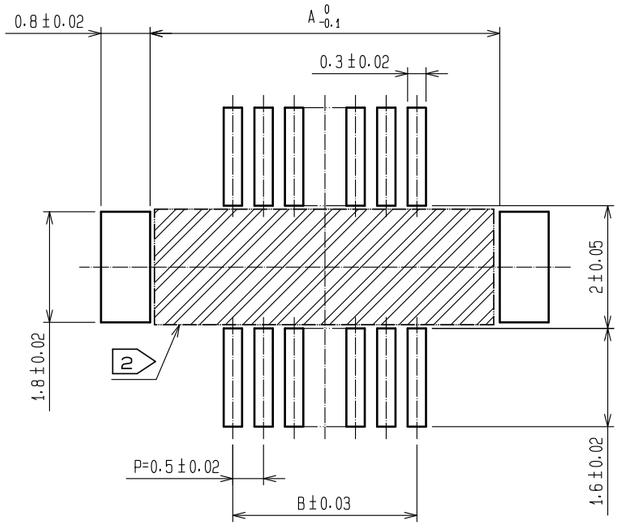


RECOMMEND METAL MASK PATTERN (10:1)



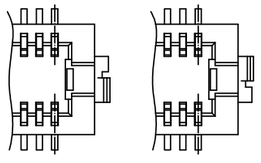
METAL MASK THICKNESS : 120 μm

RECOMMENDED LAND PATTERN (10:1)



HRS DRAWING FOR REFERENCE

NOTES 1 LEAD CO-PLANARITY SHALL BE 0.08 mm MAX.
2 IF THERE IS PATTERN ON ▨ PART, THERE IS A POSSIBILITY THAT IT WILL MAKE CONTACT WITH THE LEADS.
3 REINFORCED METAL FITTINGS AS FOLLOWS.



NO.	MATERIAL	FINISH , REMARKS
2	PHOSPHOR BRONZE	CONTACT AREA:GOLD PLATED 0.2μm min LEAD AREA:GOLD PLATED 0.015μm min OTHERS(UNDER PLATING):NICKEL PLATED 2μm min
1	POLYAMIDE	UL94V-0, BLACK

NO.	MATERIAL	FINISH , REMARKS
7	PS	CLEAR (REINFORCEMENT COLLAR)
6	PS	BLACK (PLASTIC REEL)
5	POLYESTER	CLEAR (COVER TAPE)
4	PS	CLEAR (EMBOSSED CARRIER TAPE)
3	BRASS	TIN PLATED 2μm min (UNDER PLATING):NICKEL 1μm min

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

HIROSE ELECTRIC CO., LTD.

APPROVED	WR. FUKUCHI	20200702
CHECED	TS. MIYAZAKI	20200702
DESIGNED	RN. IIDA	20200702
DRAWN	RN. IIDA	20200702

DRAWING NO.	EDC-390680-51-77
PART NO.	DF12NB(3.0)-*DS-0.5V(51)
CODE NO.	CL537

△0 1/2

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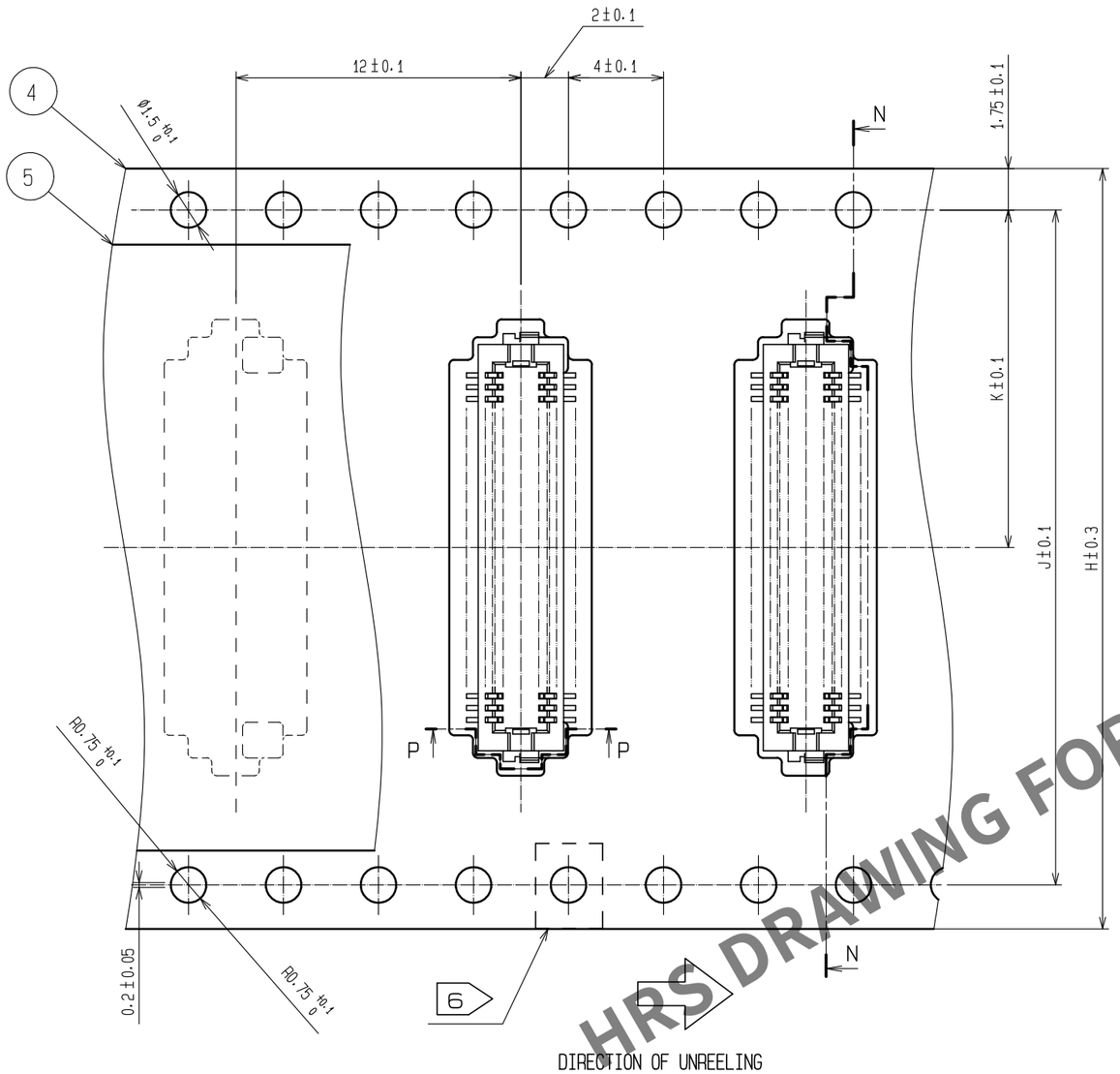
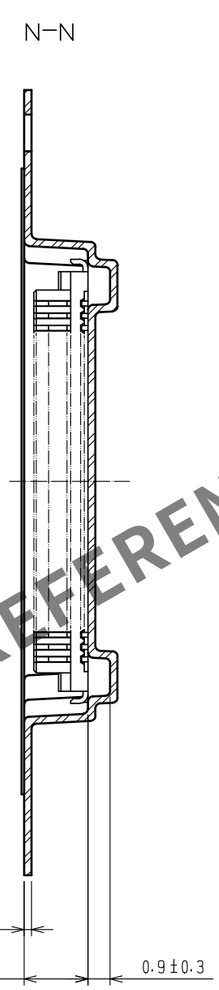
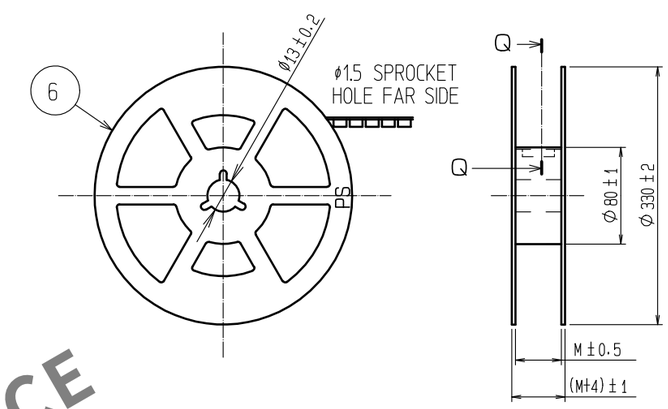
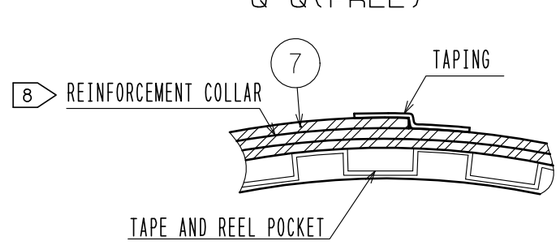




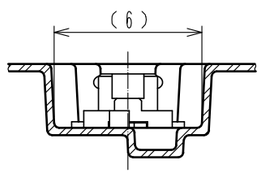
STYLE AND DIMENSION OF REEL (FREE)



Q–Q (FREE)



P–P



CODE No.	CONTACT	H	J	K	L	M
CL537-0097-0-51	10	16	-	7.5	0.30	17.5
CL537-0098-0-51	14	16	-	7.5	0.30	17.5
CL537-0099-0-51	20	16	-	7.5	0.38	17.5
CL537-0185-0-51	30	24	-	11.5	0.38	25.5
CL537-0186-0-51	32	24	-	11.5	0.30	25.5
CL537-0187-0-51	36	24	-	11.5	0.38	25.5
CL537-0188-0-51	40	24	-	11.5	0.38	25.5
CL537-0189-0-51	50	24	-	11.5	0.38	25.5
CL537-0190-0-51	60	32	28.4	14.2	0.38	33.5
CL537-0095-0-51	80	44	40.4	20.2	0.38	45.5

NOTES 4 1 REEL 1000 CONNECTORS.

5 AT THE BEGINNING OF THE REEL, 30 COMPONENTS SHALL BE EMPTY.
AT THE END OF THE REEL, 20 COMPONENTS SHALL BE EMPTY.

6 WHEN THE TAPE WIDTH IS 32 mm OR 44 mm, SPROCKET HOLES SHALL BE SET ON BOTH SIDE OF REEL AS SHOWN ON THIS DRAWING.

7 PEEL FORCE REFERS TO JIS C 0806. (IEC 60286-3)

8 AFTER PACKING, ROLL 2 METERS OF THE REINFORCEMENT COLLAR TO OUTER CIRCUMFERENCE OF TAPE AND REEL POCKET, AND TAPE DOWN AT THE END THE COLLAR.

HRS DRAWING FOR REFERENCE

HRS	DRAWING NO.	EDC-390680-51-77
	PART NO.	DF12NB(3.0)-*DS-0.5V(51)
	CODE NO.	CL537