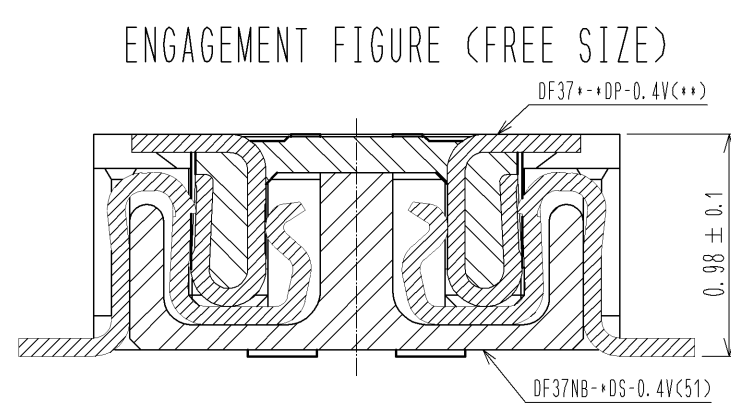
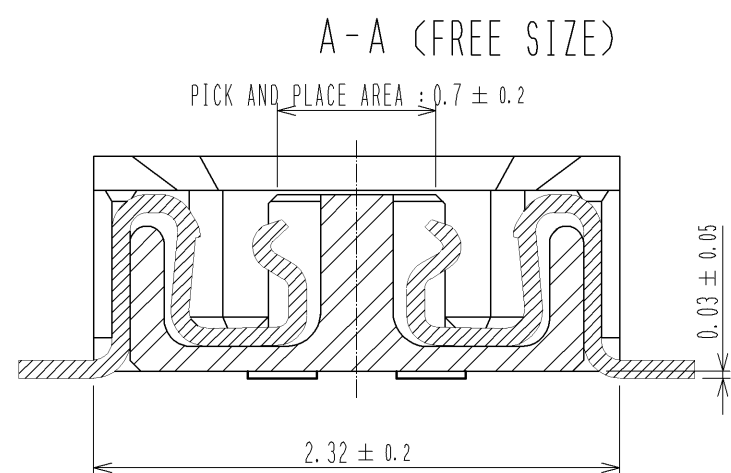
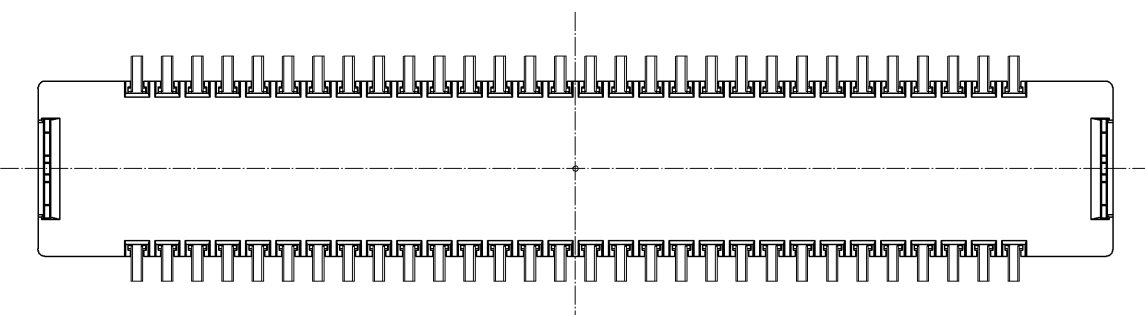
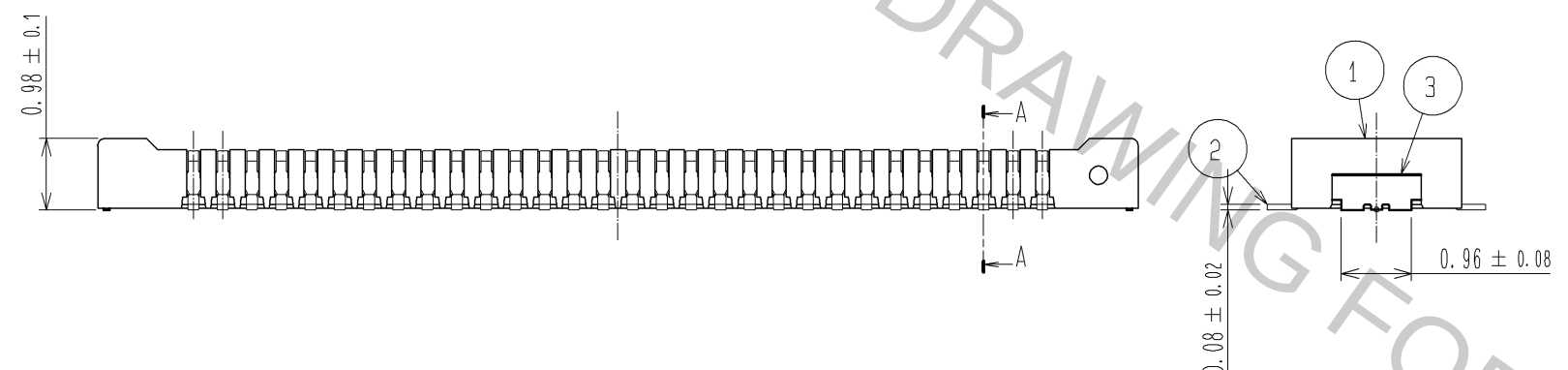
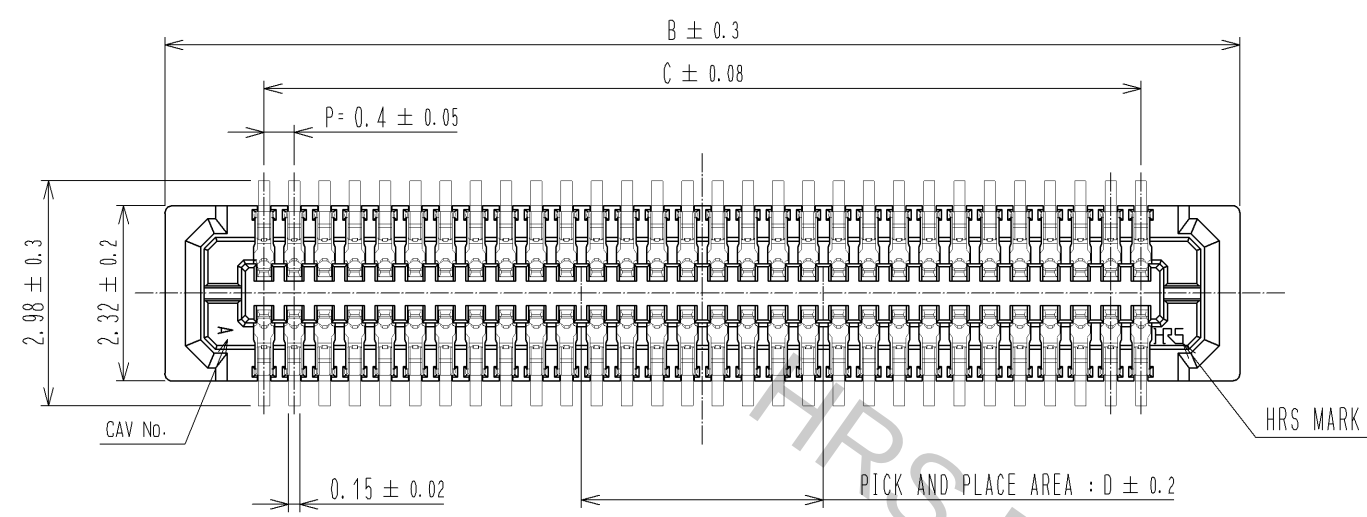




NOTE 1. ALL LEADS CO-PLANARITY SHALL BE 0.1mm MAX.

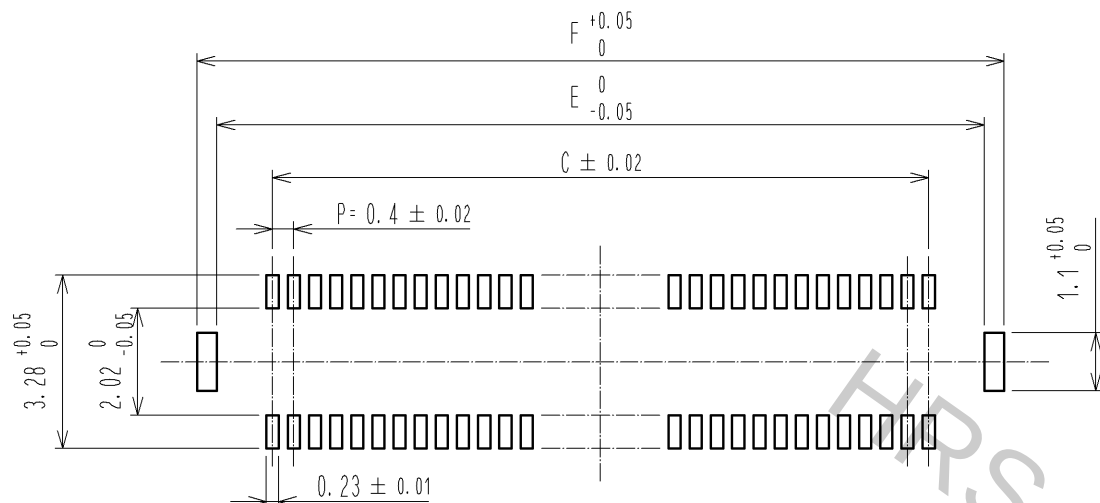
2 CONTACT PLATING SPECIFICATIONS.
CONTACT AREA : GOLD 0.05 μm MIN.
SMT LEAD : GOLD 0.05 μm MIN.
UNDERPLATING : NICKEL 1 μm MIN.
(SURFACE : SEALING)

3 METAL HOLD DOWN PLATING SPECIFICATIONS.
MOUNTING AREA: GOLD 0.05 μm MIN.
UNDERPLATING : NICKEL 1 μm MIN.

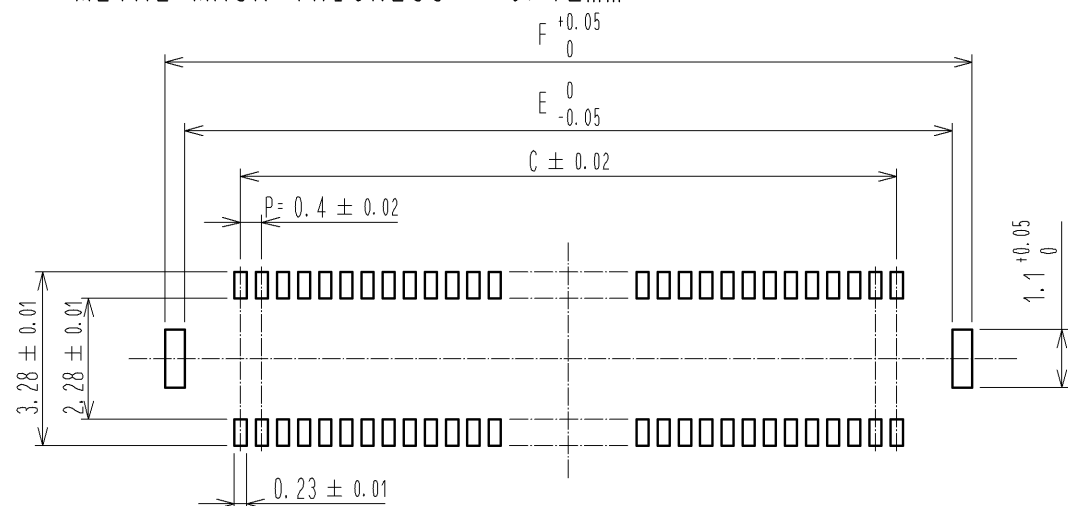
PART No.	CL No.	B	C	D
DF37NB-10DS-0.4V(51)	CL684-3301-6-51	4.22	1.6	0.8
DF37NB-16DS-0.4V(51)	CL684-3302-9-51	5.42	2.8	1.2
DF37NB-20DS-0.4V(51)	CL684-3303-1-51	6.22	3.6	1.6
DF37NB-24DS-0.4V(51)	CL684-3304-4-51	7.02	4.4	2.0
DF37NB-30DS-0.4V(51)	CL684-3305-7-51	8.22	5.6	2.0
DF37NB-34DS-0.4V(51)	CL684-3082-4-51	9.02	6.4	2.4
DF37NB-40DS-0.4V(51)	CL684-3306-0-51	10.22	7.6	2.4
DF37NB-44DS-0.4V(51)	CL684-3407-7-51	11.02	8.4	2.8
DF37NB-50DS-0.4V(51)	CL684-3307-2-51	12.22	9.6	2.8
DF37NB-60DS-0.4V(51)	CL684-3308-5-51	14.22	11.6	3.2
DF37NB-70DS-0.4V(51)	CL684-3409-2-51	16.22	13.6	3.6
DF37NB-74DS-0.4V(51)	CL684-3080-9-51	17.02	14.4	4.0

3	PHOSPHOR BRONZE	3	6	PS	PLASTIC REEL (BLACK)
2	PHOSPHOR BRONZE	2	5	POLYESTER	CLEAR(COVER TAPE)
1	LCP	UL94V-0, BLACK	4	PS	CLEAR(EMBOSSD CARRIER TAPE)
NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
UNITS mm		SCALE FREE	COUNT 3	DESCRIPTION OF REVISIONS DIS-H-005494	DESIGNED KR. AJITO
HRS HIROSE ELECTRIC CO., LTD.			APPROVED : KH. IKEDA 09.10.23	DRAWING NO. EDC3-319685-02	
			CHECKED : TS. MIYAZAKI 09.10.23	PART NO. DF37NB-*DS-0.4V(51)	
			DESIGNED : RT. SHIMIZU 09.10.23	CODE NO.	
			DRAWN : YN. SAKAMOTO 09.10.20		
			DATE 11.02.04	CHECKED TS. MIYAZAKI	

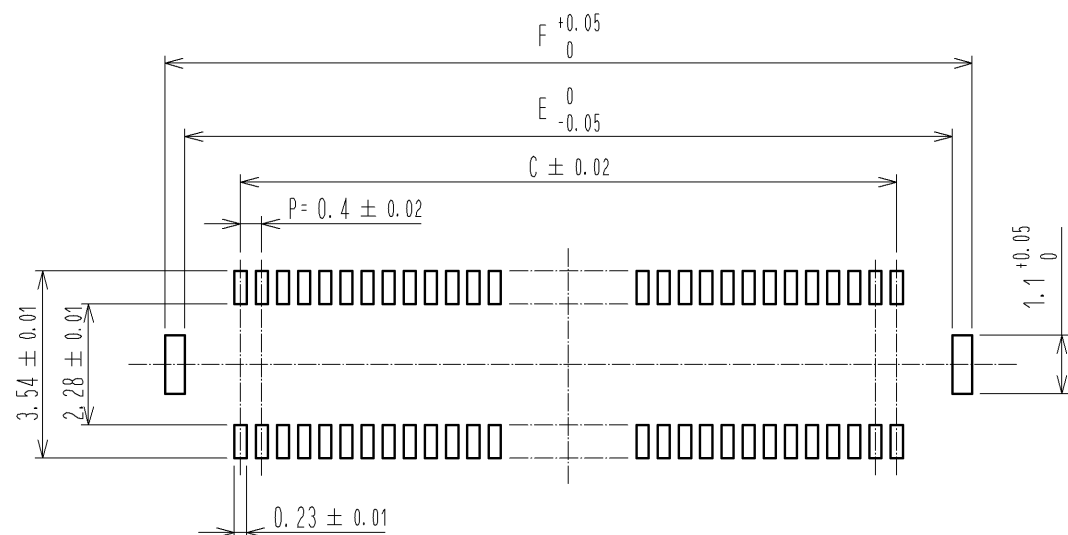
◆ RECOMMENDED PCB LAYOUT(MOUNTING SURFACE SIDE)



◆ RECOMMENDED METAL MASK DIMENSIONS
METAL MASK THICKNESS : 0.12mm

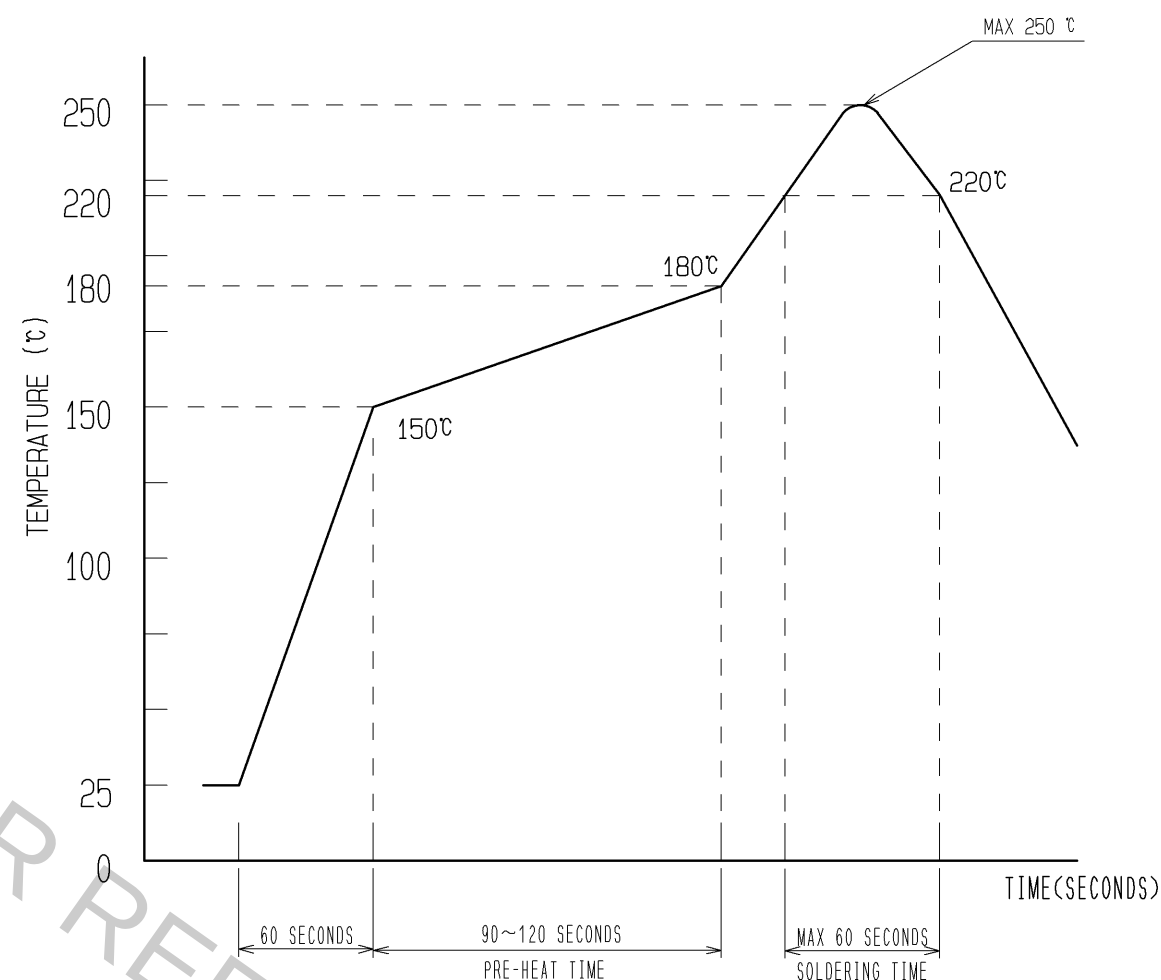


◆ RECOMMENDED METAL MASK DIMENSIONS
METAL MASK THICKNESS : 0.1mm



PART No.	C	E	F
DF37NB-10DS-0.4V(51)	1.6	3.7	4.46
DF37NB-16DS-0.4V(51)	2.8	4.9	5.66
DF37NB-20DS-0.4V(51)	3.6	5.7	6.46
DF37NB-24DS-0.4V(51)	4.4	6.5	7.26
DF37NB-30DS-0.4V(51)	5.6	7.7	8.46
DF37NB-34DS-0.4V(51)	6.4	8.5	9.26
DF37NB-40DS-0.4V(51)	7.6	9.7	10.46
DF37NB-44DS-0.4V(51)	8.4	10.5	11.26
DF37NB-50DS-0.4V(51)	9.6	11.7	12.46
DF37NB-60DS-0.4V(51)	11.6	13.7	14.46
DF37NB-70DS-0.4V(51)	13.6	15.7	16.46
DF37NB-74DS-0.4V(51)	14.4	16.5	17.26

4 RECOMMENDED REFLOW TEMPERATURE PLOFILE USING LEAD-FREE SOLDER PASTE.



- 1) REFLOW TIME
REFLOW METHOD: IR REFLOW
NUMBER OF REFLOW CYCLES: 2 CYCLES MAX.
DURATION ABOVE 220 °C: 60 SEC. MAX.
(PEAK TEMPERATURE: 250°C MAX.)
- 2) PRE-HEAT TIME
PRE-HEAT TEMPERATURE(MIN) :150 °C
PRE-HEAT TEMPERATURE(MAX) :180 °C
PRE-HEAT TIME : 90~120 sec.

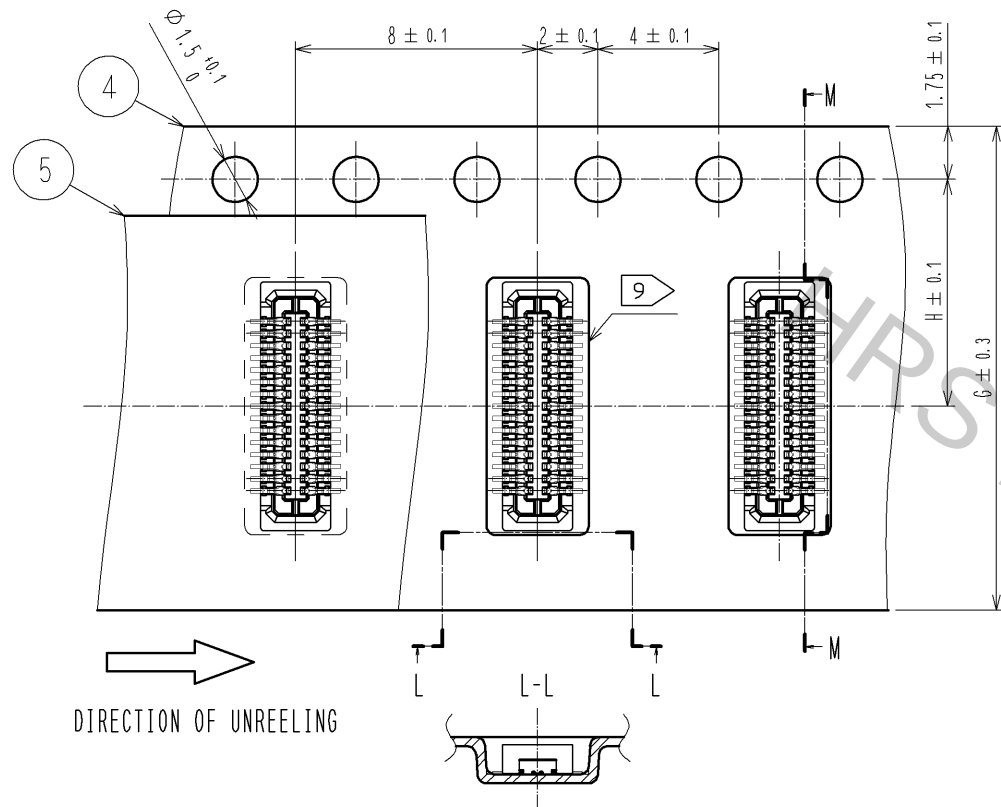
4 THIS TEMPERATURE PROFILE IS PER THE CONDITIONS SHOWN ABOVE.
ADDITIONAL FACTORS, SUCH AS SOLDER PASTE TYPE, PCB SIZE AND
OTHER MOUNTED COMPONENTS COULD AFFECT THE PROFILE. THEREFORE,
A THOROUGH EVALUATION OF MOUNTING CONDITION IS REQUIRED
PRIOR TO PRODUCTION. TEMPERATURE IS MEASURED AT CONTACT LEAD.

HRS

DRAWING NO.	EDC3-319685-02
PART NO.	DF37NB-*DS-0.4V(51)
CODE NO.	

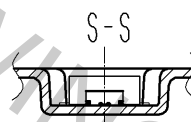
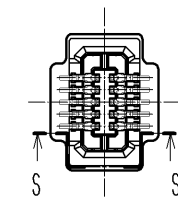
EMBOSSED CARRIER TAPE PACKAGING (FREE SIZE)

◆ UNDER 60 POS.

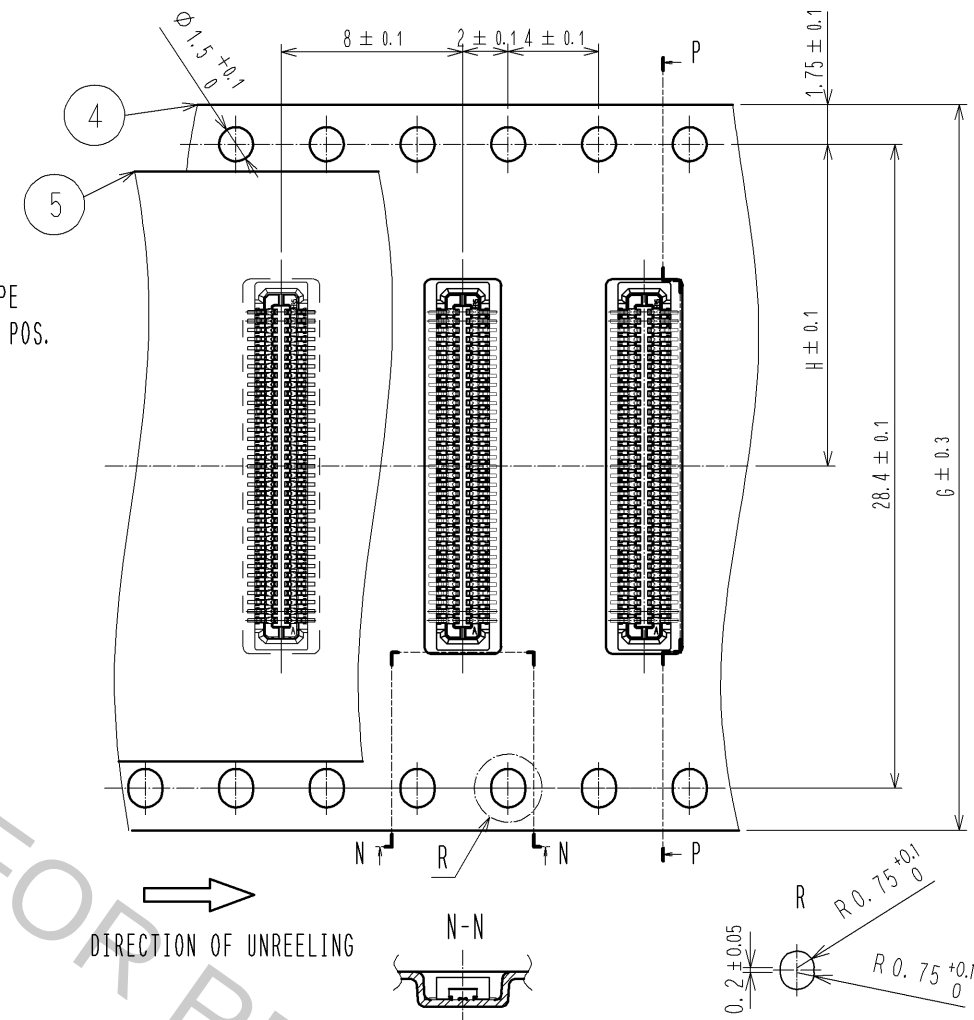


M-M
1.23 ± 0.15
0.3 ± 0.1

9 EMBOSSED POCKET SHAPE
OF THE LESS THAN 20 POS.

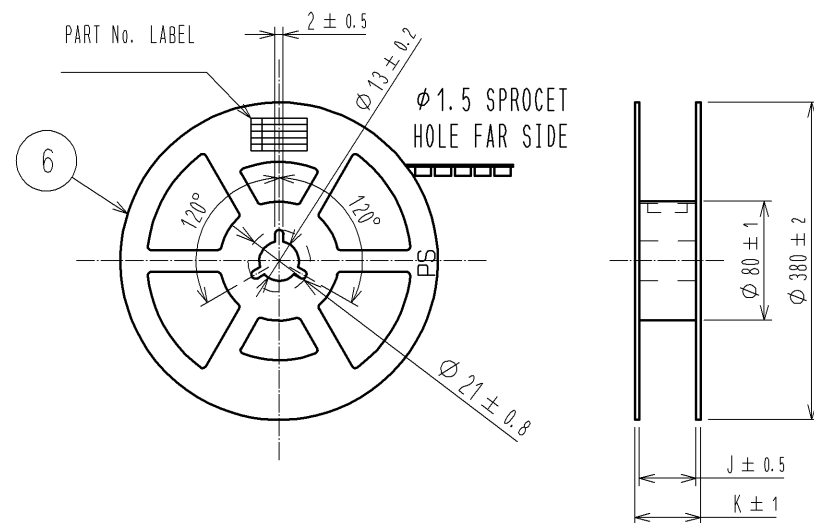


◆ 70 POS. AND ABOVE



P-P
1.23 ± 0.15
0.3 ± 0.1

STYLE AND DIMENSION OF REEL (FREE SIZE)



8 DETAIL OF PART NO. LABEL

SUPPLIER	HIROSE ELECTRIC CO., LTD.
QUANTITY	8000
PART NO.	DF37NB-4DS-0.4V(51)
CODE NO.	3
DATE OF MANUFACTURED	2018.01.18
製造年月日	年 月 日
製品コード	** ** *
製品名	DF37NB-4DS-0.4V(51)
数量	8000個
納入者	ヒロセ電機(株)

PART No.	G	H	J	K
DF37NB-10DS-0.4V(51)	16	7.5	17.5	21.5
DF37NB-16DS-0.4V(51)	16	7.5	17.5	21.5
DF37NB-20DS-0.4V(51)	16	7.5	17.5	21.5
DF37NB-24DS-0.4V(51)	16	7.5	17.5	21.5
DF37NB-30DS-0.4V(51)	24	11.5	25.5	29.5
DF37NB-34DS-0.4V(51)	24	11.5	25.5	29.5
DF37NB-40DS-0.4V(51)	24	11.5	25.5	29.5
DF37NB-44DS-0.4V(51)	24	11.5	25.5	29.5
DF37NB-50DS-0.4V(51)	24	11.5	25.5	29.5
DF37NB-60DS-0.4V(51)	24	11.5	25.5	29.5
DF37NB-70DS-0.4V(51)	32	14.2	37.5	33.5
DF37NB-74DS-0.4V(51)	32	14.2	37.5	33.5

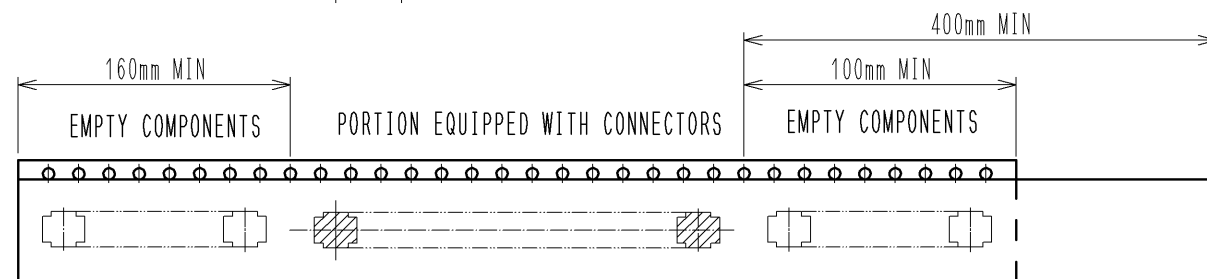
NOTES 5. PER REEL 8000 CONNECTORS.

6. THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.

7 REFER TO JIS C 0806(PACKING OF COMPONENTS FOR AUTOMATIC HANDLING)

8 DETAIL OF PART NO. LABEL IS WRITTEN IN JAPANESE.

9 EMBOSS POCKET OF LESS THAN 20 POS. SHALL BE CROSS.



TRAILER

LEADER

7 TAPING(FREE)

HR

DRAWING NO.	EDC3-319685-02
PART NO.	DF37NB-*DS-0.4V(51)
CODE NO.	3