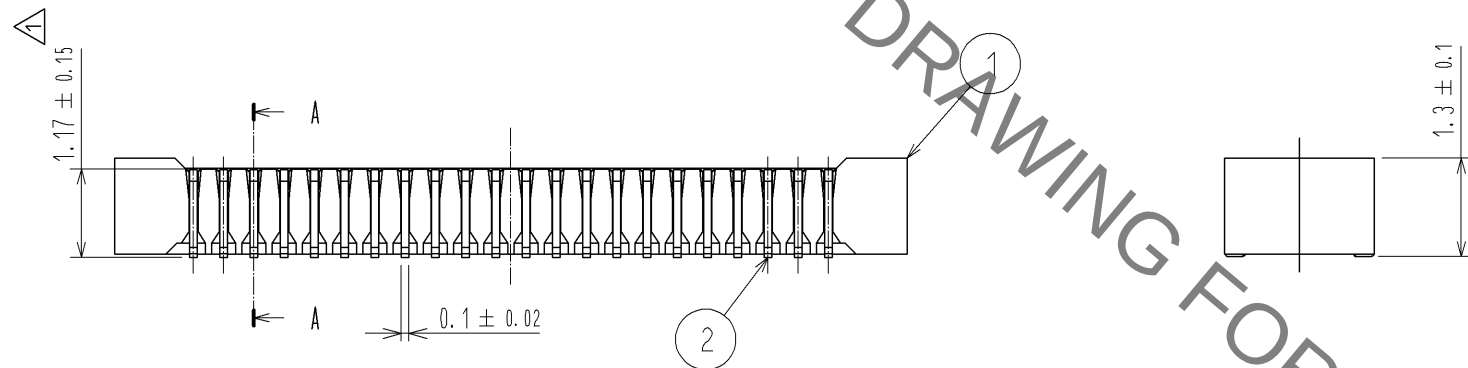
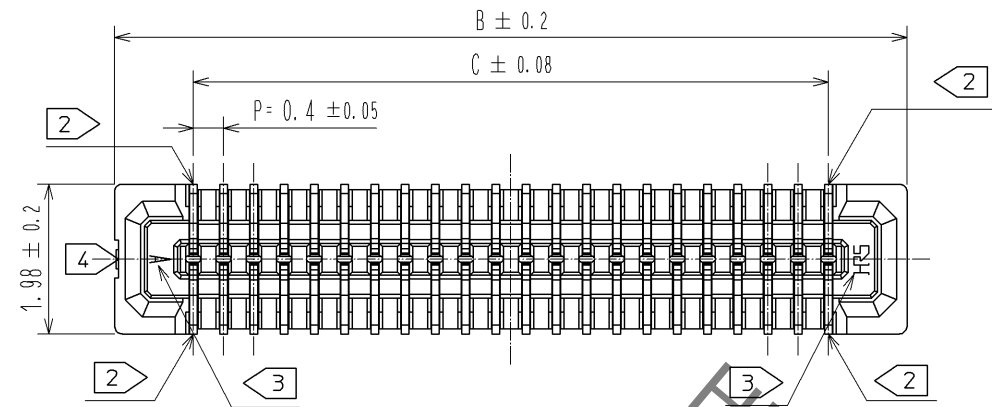
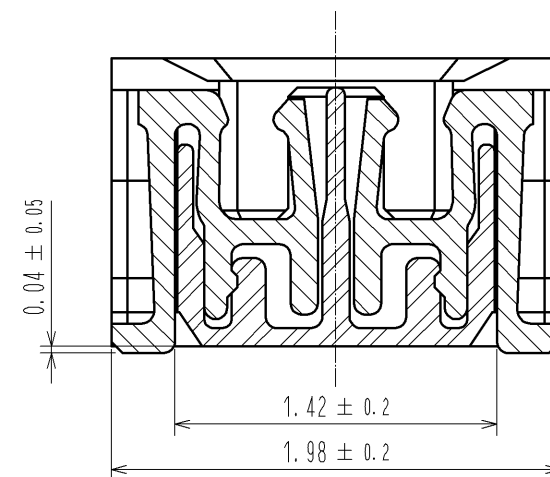




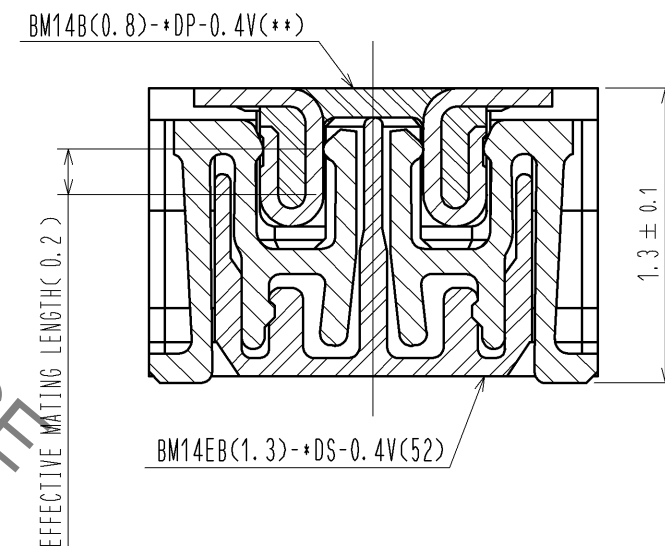
- NOTE) 1 . ALL LEAD CO-PLANARITY SHALL BE 0.08mm MAX
2 . EACH CONTACTS AT 4 CORNERS ARE PROVIDED FOR METAL FITTINGS AND GROUNDING PURPOSE.
3 . HRS MARK AND CAV NO. ARE INDICATED IN APPROX POSITION SHOWN.
4 . GATE POSITION IS INDICATED IN APPROX POSITION SHOWN.

PART No.	CODE No.	B	C
BM14EB(1.3)-10DS-0.4V(52)	-	4.48	2.4
BM14EB(1.3)-20DS-0.4V(52)	-	6.48	4.4
BM14EB(1.3)-24DS-0.4V(52)	-	7.28	5.2
BM14EB(1.3)-30DS-0.4V(52)	-	8.48	6.4
BM14EB(1.3)-40DS-0.4V(52)	CL684-8174-8-52	10.48	8.4
BM14EB(1.3)-50DS-0.4V(52)	-	12.48	10.4
BM14EB(1.3)-60DS-0.4V(52)	-	14.48	12.4

A-A(FREE)



ENGAGEMENT FIGURE (FREE)

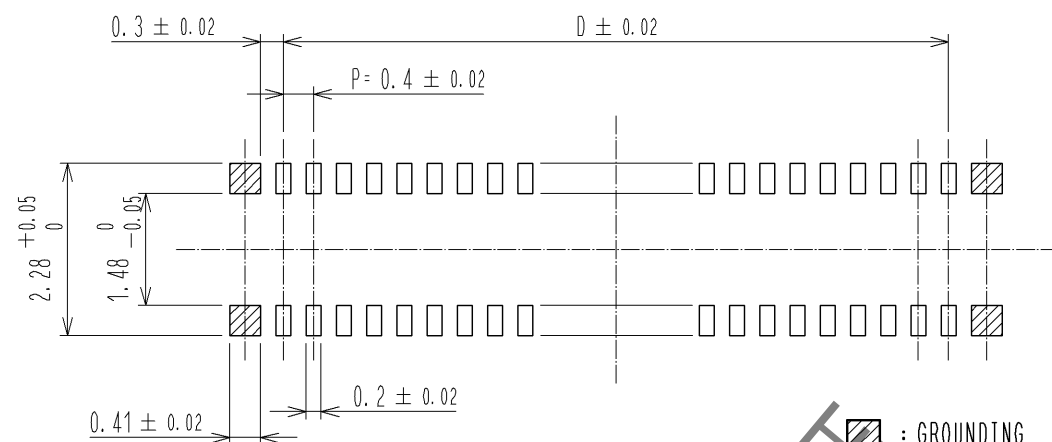


2	PHOSPHOR BRONZE	CONTACT AREA : GOLD 0.05 μm MIN.	7	POLYIMIDE	BROWN (HEAT RESISTANCE TAPE)
		SMT LEAD : GOLD 0.05 μm MIN.	6	PS	CLEAR (REINFORCEMENT COLLAR)
		UNDERPLATING : NICKEL 1 μm MIN.	5	PS	BLACK (PLASTIC REEL)
		UL94 V-0, BLACK	4	POLYESTER	CLEAR (COVER TAPE)
1	LCP		3	PS	CLEAR (EMBOSSED CARRIER TAPE)
NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS

UNITS mm		SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
		10 : 1	3	DIS-H-007865	YN. SAKAMOTO	YH. MICHIDA	13. 05. 11

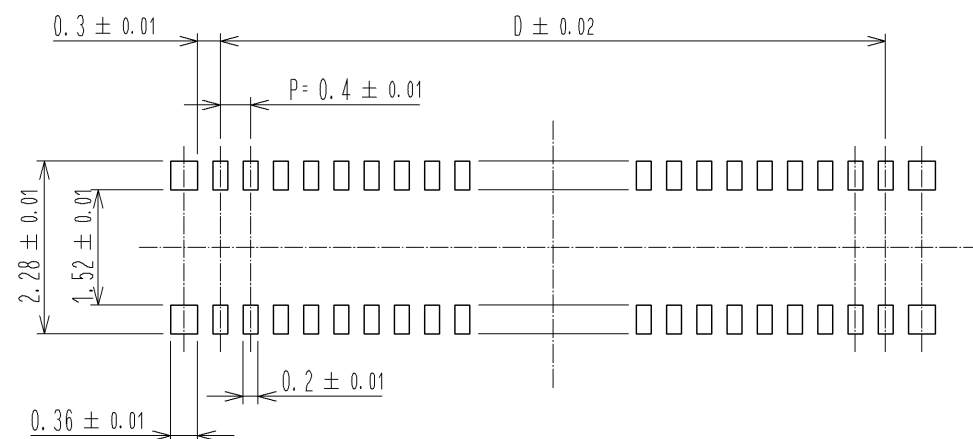
	HIROSE ELECTRIC CO., LTD.	APPROVED : KH. IKEDA	12. 06. 22	DRAWING NO.	EDC3-346519-03
		CHECKED : YH. MICHIDA	12. 06. 22	PART NO.	BM14EB(1. 3)- *DS-0. 4V(52)
		DESIGNED : SH. HOSODA	12. 06. 22	CODE NO.	CL684
		DRAWN : TA. ITO	12. 06. 22	1	1/3

◆ RECOMMENDED PCB LAYOUT



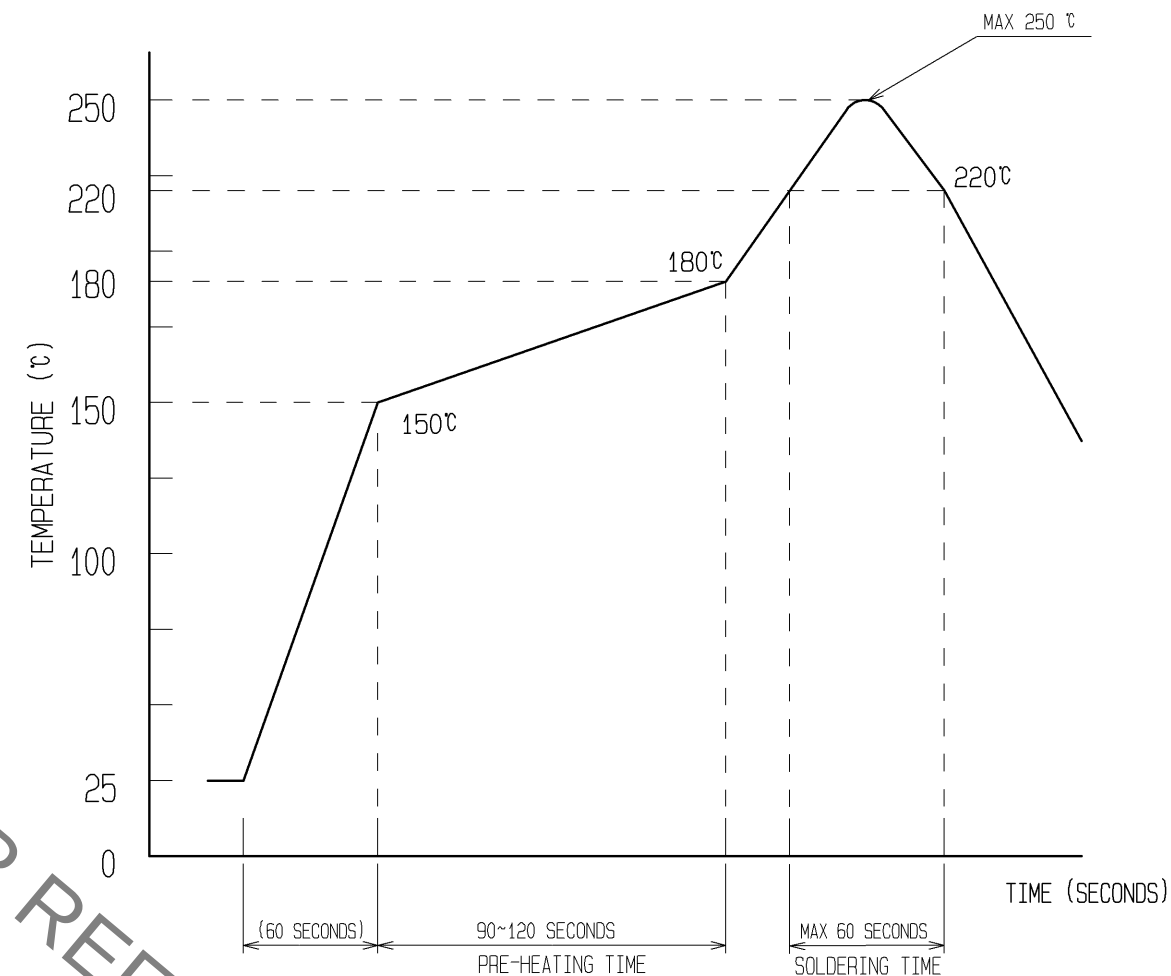
◆ RECOMMENDED METAL MASK DIMENSIONS

METAL MASK THICKNESS : 100 μm



PART No.	D
BM14EB(1.3)-10DS-0.4V(52)	1.6
BM14EB(1.3)-20DS-0.4V(52)	3.6
BM14EB(1.3)-24DS-0.4V(52)	4.4
BM14EB(1.3)-30DS-0.4V(52)	5.6
BM14EB(1.3)-40DS-0.4V(52)	7.6
BM14EB(1.3)-50DS-0.4V(52)	9.6
BM14EB(1.3)-60DS-0.4V(52)	11.6

5> RECOMMENDED REFLOW TEMPERATURE PROFILE USING LEAD-FREE SOLDER PASTE.



REFLOW METHOD: IR REFLOW

NUMBER OF REFLOW CYCLES: 2 CYCLES MAX.

1) REFLOW TIME

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.

5> 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

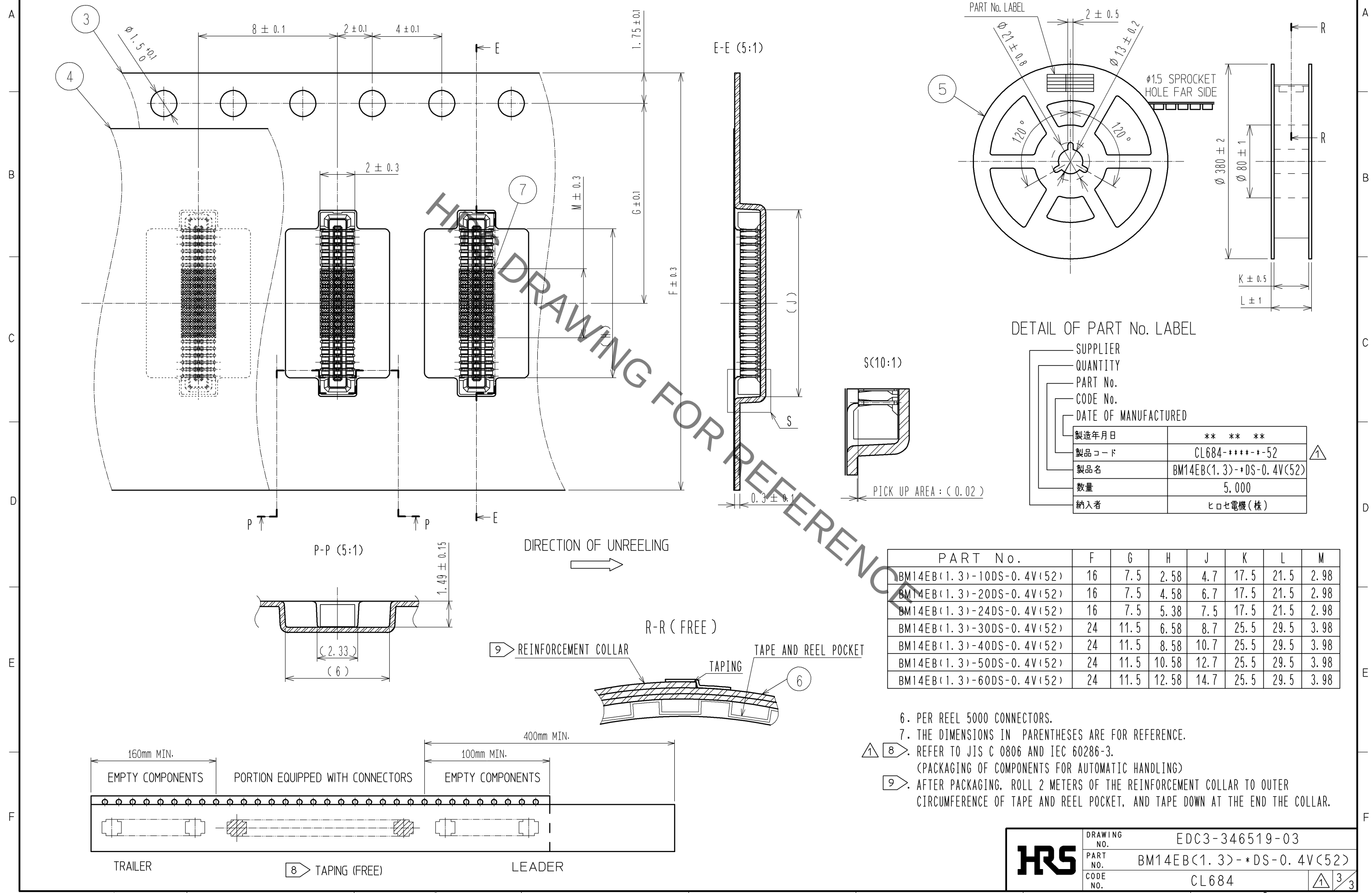
DRAWING NO.	EDC3-346519-03
PART NO.	BM14EB(1.3)-*DS-0.4V(52)
CODE NO.	CL684

1/2/3

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EMBOSSED CARRIER TAPE PACKAGING (5:1)

STYLE AND DIMENTION OF REEL (FREE)



DETAIL OF PART No. LABEL

SUPPLIER	
QUANTITY	
PART No.	
CODE No.	
DATE OF MANUFACTURED	
製造年月日	** ** *
製品コード	CL684-***-52
製品名	BM14EB(1.3)-*DS-0.4V(52)
数量	5,000
納入者	ヒロセ電機(株)

PART No.	F	G	H	J	K	L	M
BM14EB(1.3)-10DS-0.4V(52)	16	7.5	2.58	4.7	17.5	21.5	2.98
BM14EB(1.3)-20DS-0.4V(52)	16	7.5	4.58	6.7	17.5	21.5	2.98
BM14EB(1.3)-24DS-0.4V(52)	16	7.5	5.38	7.5	17.5	21.5	2.98
BM14EB(1.3)-30DS-0.4V(52)	24	11.5	6.58	8.7	25.5	29.5	3.98
BM14EB(1.3)-40DS-0.4V(52)	24	11.5	8.58	10.7	25.5	29.5	3.98
BM14EB(1.3)-50DS-0.4V(52)	24	11.5	10.58	12.7	25.5	29.5	3.98
BM14EB(1.3)-60DS-0.4V(52)	24	11.5	12.58	14.7	25.5	29.5	3.98

- 6. PER REEL 5000 CONNECTORS.
- 7. THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
- 8. REFER TO JIS C 0806 AND IEC 60286-3.
(PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING)
- 9. AFTER PACKAGING, 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 NO.	EDC3-346519-03	
	PART NO.	BM14EB(1.3)-*DS-0.4V(52)	
	CODE NO.	CL684	3/3

Mouser Electronics

Authorized Distributor

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[Hirose Electric:](#)

[BM14EB\(1.3\)-40DS-0.4V\(52\)](#)