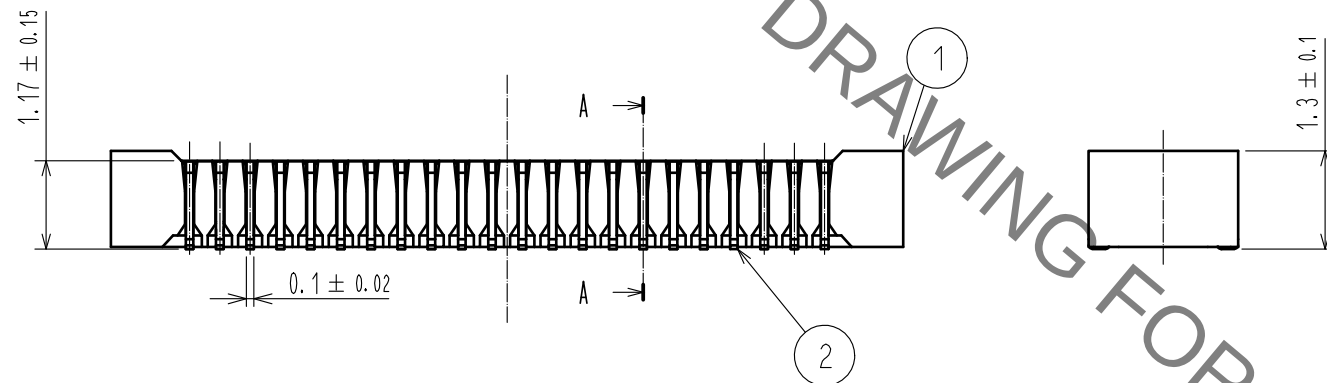
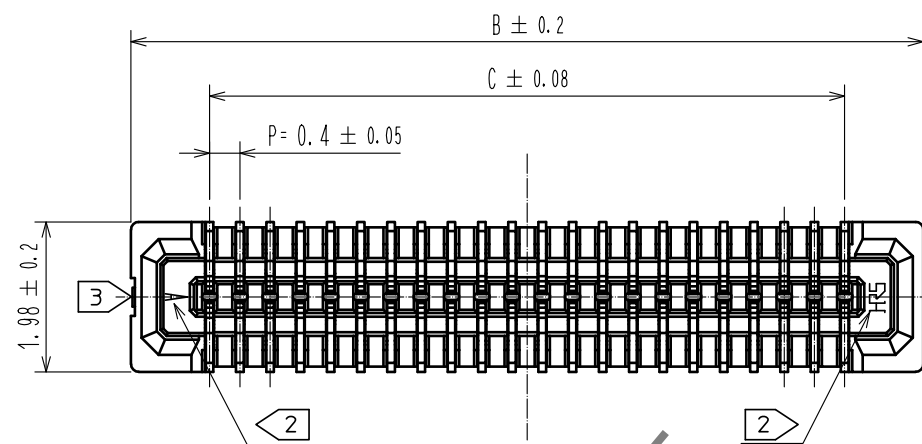
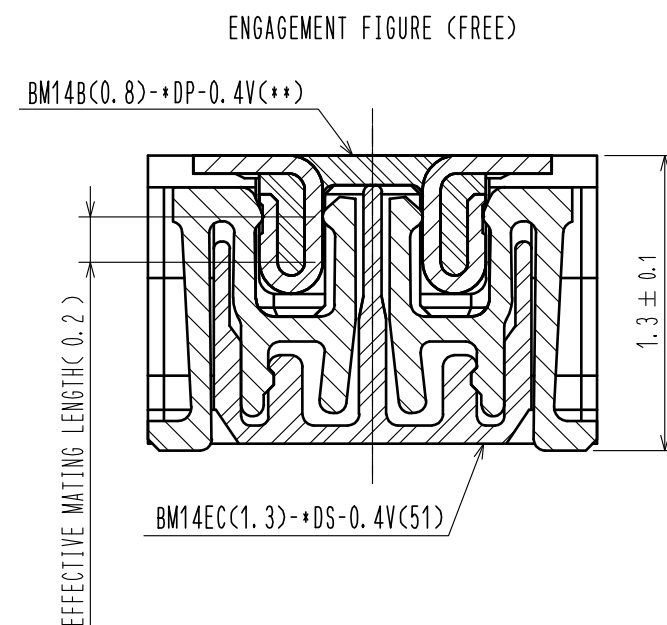
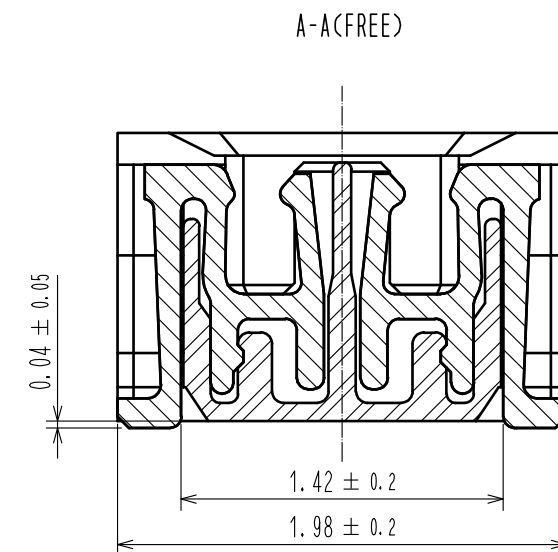


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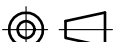


NOTE) 1. ALL LEAD CO-PLANARITY SHALL BE 0.08mm MAX
2. HRS MARK AND CAV NO. ARE INDICATED IN APPROX POSITION SHOWN.
3. GATE POSITION IS INDICATED IN APPROX POSITION SHOWN.

PART No.	CODE No.	B	C
BM14EC(1.3)-14DS-0.4V(51)	-	4.48	2.4
BM14EC(1.3)-16DS-0.4V(51)	CL684-8180-0-51	4.88	2.8
BM14EC(1.3)-24DS-0.4V(51)	-	6.48	4.4
BM14EC(1.3)-28DS-0.4V(51)	-	7.28	5.2
BM14EC(1.3)-34DS-0.4V(51)	-	8.48	6.4
BM14EC(1.3)-44DS-0.4V(51)	CL684-8155-3-51	10.48	8.4
BM14EC(1.3)-54DS-0.4V(51)	CL684-8157-9-51	12.48	10.4
BM14EC(1.3)-64DS-0.4V(51)	-	14.48	12.4



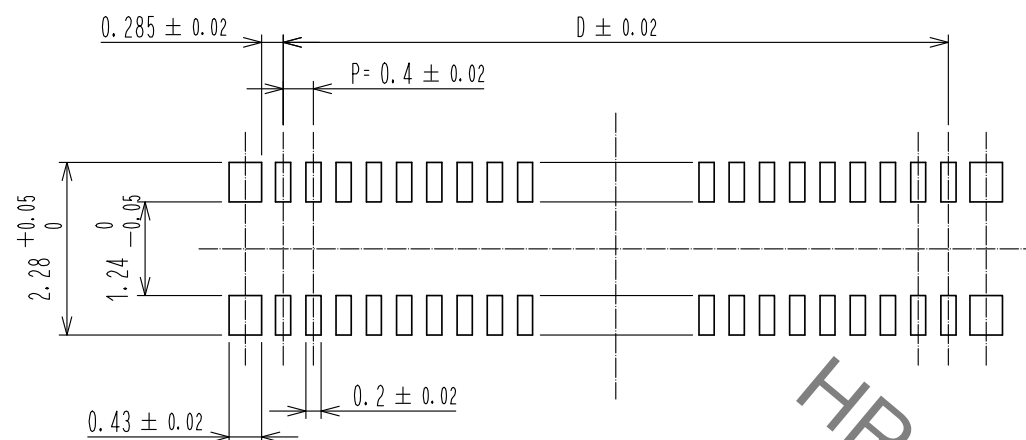
2	PHOSPHOR BRONZE	CONTACT AREA : GOLD 0.05 μm MIN.		6	PS	CLEAR (REINFORCEMENT COLLAR)	
		SMT LEAD : GOLD 0.05 μm MIN.		5	PS	BLACK (PLASTIC REEL)	
		UNDERPLATING : NICKEL 1 μm MIN.		4	POLYESTER	CLEAR (COVER TAPE)	
1	LCP	UL94 V-0, BLACK		3	PS	CLEAR (EMBOSSED CARRIER TAPE)	
NO.	MATERIAL	FINISH . REMARKS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

UNITS mm		SCALE 10 : 1	 COUNT 3	DESCRIPTION OF REVISIONS DIS-H-00002669	DESIGNED NY. YAMASHIRO	CHECKED TS. MIYAZAKI	DATE 17. 03. 07
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 HIROSE ELECTRIC CO., LTD.	APPROVED : KH. IKEDA	10. 04. 23	DRAWING NO.	EDC3-327823-01	
	CHECKED : TS. MIYAZAKI	10. 04. 23	PART NO.	BM14EC(1.3) - *DS-0.4V(51)	
	DESIGNED : TR. YUNOKI	10. 04. 23	CODE NO.	CL684	
	DRAWN : YN. SAKAMOTO	10. 04. 22	 		

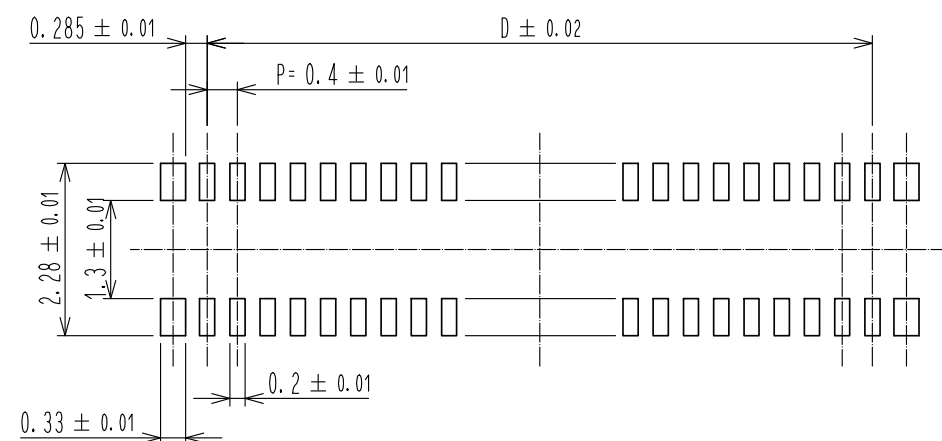
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◆ RECOMMENDED PCB LAYOUT



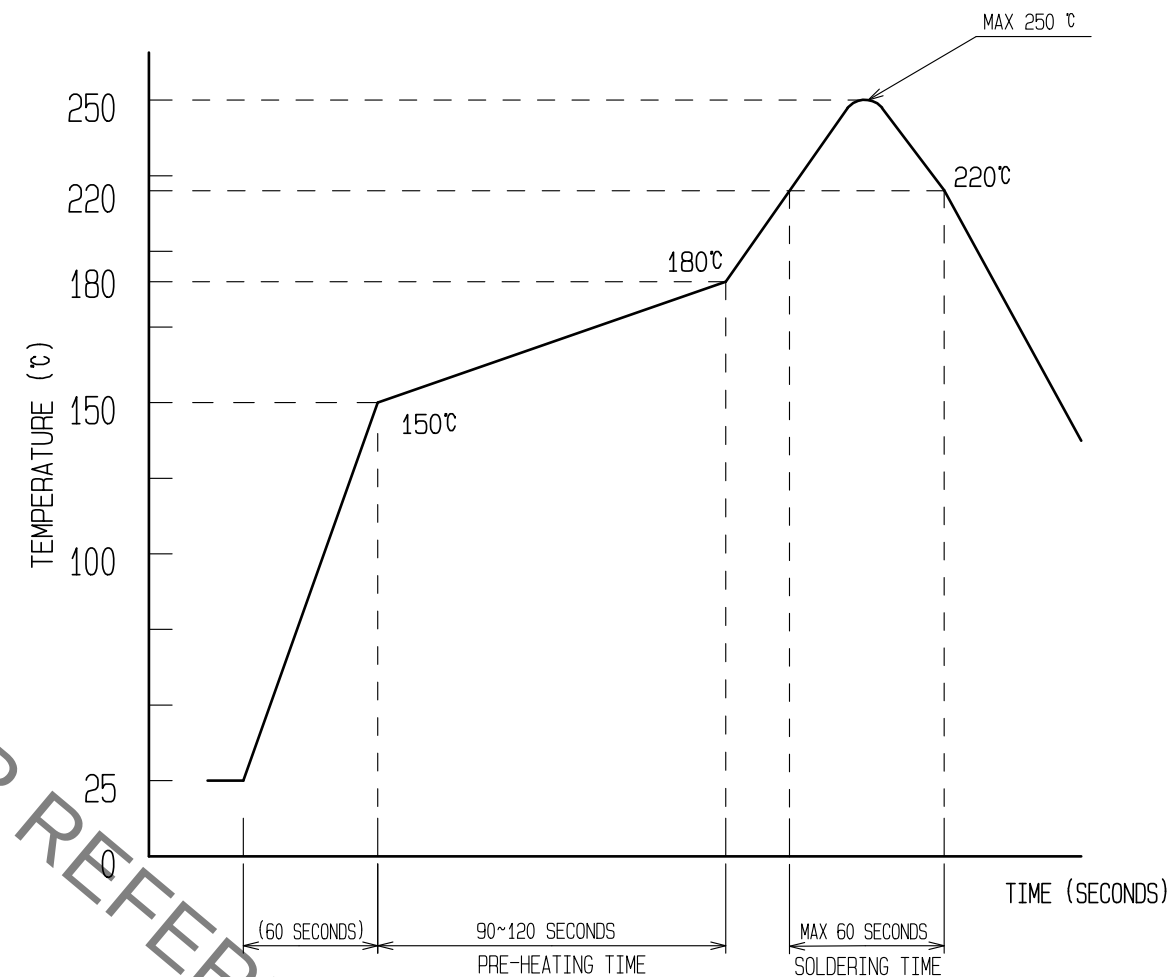
◆ RECOMMENDED METAL MASK DIMENSIONS

METAL MASK THICKNESS : $100 \mu\text{m}$



PART No.	D
BM14EC(1.3)-14DS-0.4V(51)	1.6
BM14EC(1.3)-16DS-0.4V(51)	2.0
BM14EC(1.3)-24DS-0.4V(51)	3.6
BM14EC(1.3)-28DS-0.4V(51)	4.4
BM14EC(1.3)-34DS-0.4V(51)	5.6
BM14EC(1.3)-44DS-0.4V(51)	7.6
BM14EC(1.3)-54DS-0.4V(51)	9.6
BM14EC(1.3)-64DS-0.4V(51)	11.6

4 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.



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

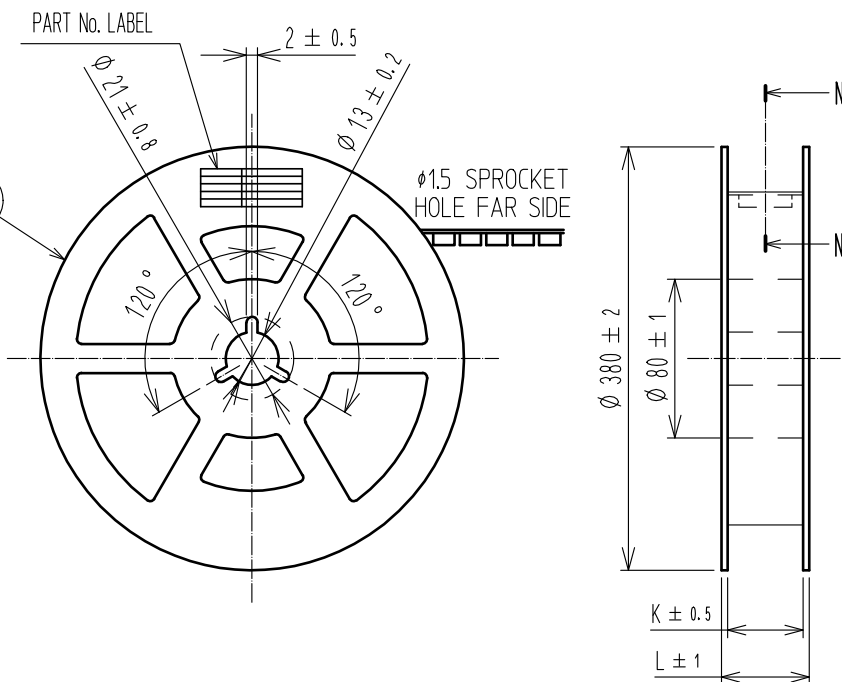
DRAWING NO.	EDC3-327823-01
PART NO.	BM14EC(1.3)-*DS-0.4V(51)
CODE NO.	CL684

2/3

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EMBOSSED CARRIER TAPE PACKAGING (5:1)

STYLE AND DIMENTION OF REEL (FREE)

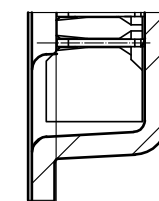


DETAIL OF PART No. LABEL

SUPPLIER
QUANTITY
PART No.
CODE No.
DATE OF MANUFACTURED

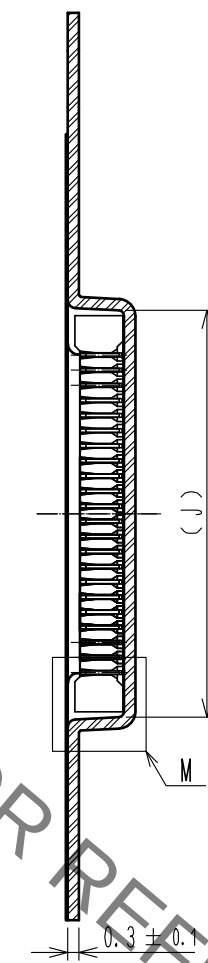
製造年月日	** ** *
製品コード	CL684-****-51
製品名	BM14EC(1.3)-*DS-0.4V(51)
数量	5,000
納入者	ヒロセ電機(株)

M(10:1)

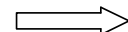


PICK UP AREA(0.02)

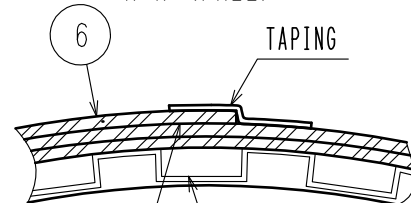
E-E (5:1)



DIRECTION OF UNREELING

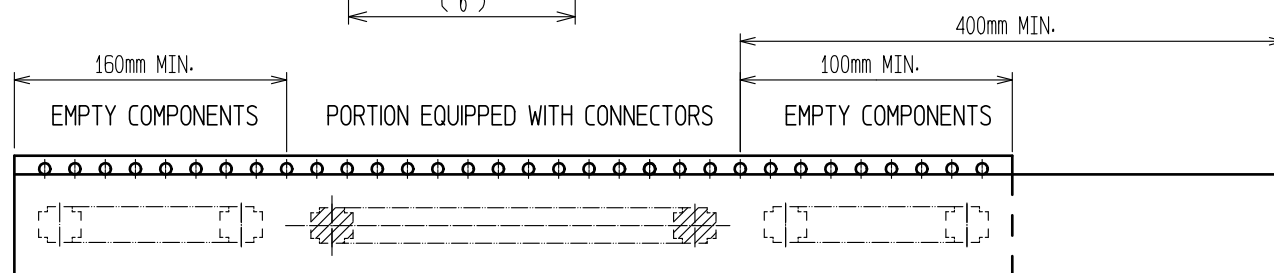
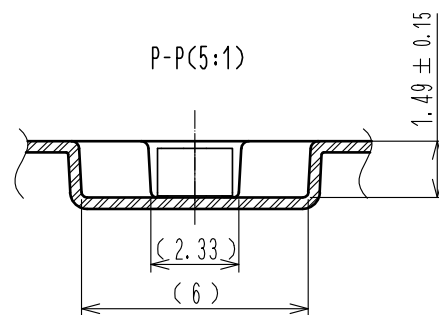


N-N (FREE)



9 REINFORCEMENT COLLAR TAPE AND REEL POCKET

P-P(5:1)



5. PER REEL 5000 CONNECTORS.

6. THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.

7 REFER TO JIS C 0806 AND IEC 60286-3
(PACKAGING OF COMPONENTS FOR AUTOMATIC HANDING)

8 <DELETED>

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.	EDC3-327823-01
PART NO.	BM14EC(1.3)-*DS-0.4V(51)
CODE NO.	CL684

2/3

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Hirose Electric:](#)

[BM14EC\(1.3\)-44DS-0.4V\(51\)](#)