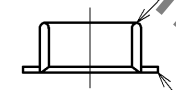
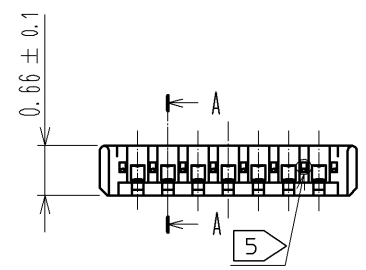
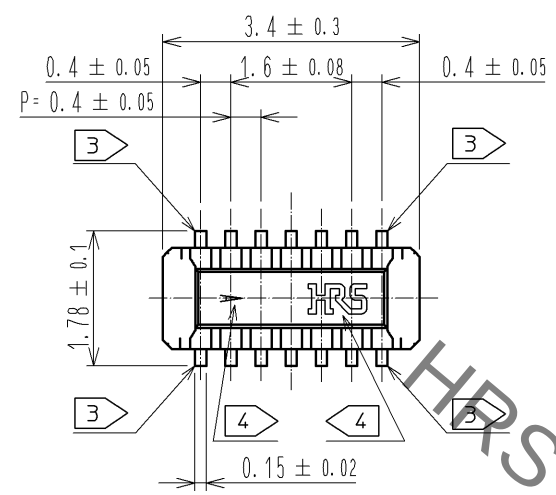
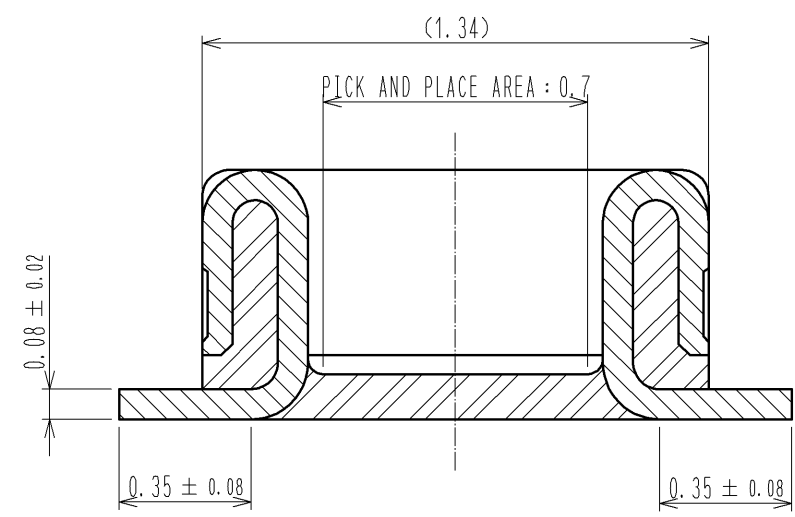


Jun.1.2020 Copyright 2020 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

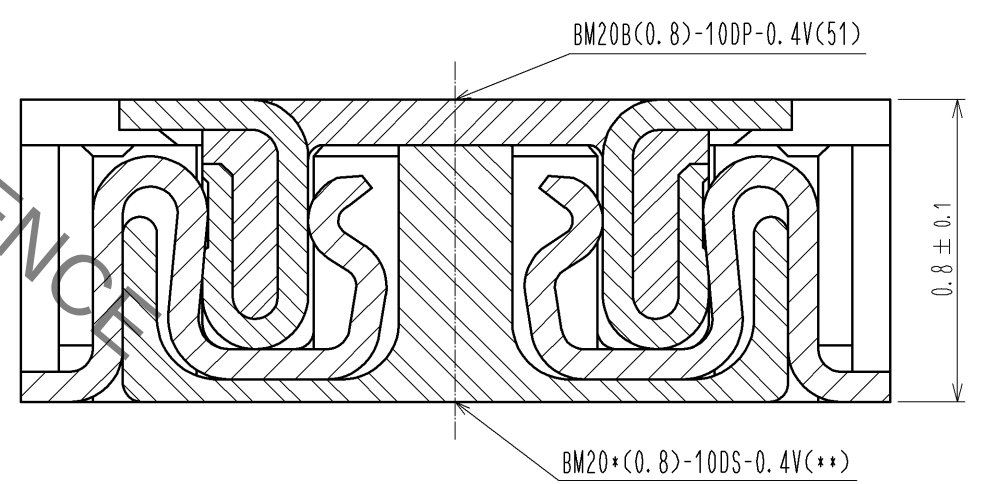


- NOTE 1. ALL LEAD CO-PLANARITY SHALL BE 0.08mm MAX
2. CONTACT PLATING SPECIFICATIONS
CONTACT AREA : GOLD 0.05μm MIN
SMT LEAD : GOLD 0.05μm MIN
UNDER PLATING : NICKEL 1μm MIN
(SURFACE : SEALING)
3. EACH CONTACTS AT 4 CORNERS ARE PROVIDED FOR METAL FITTINGS.
4. HRS MARK AND CAV No. ARE INDICATED IN APPROX POSITION SHOWN.
5. A PART OF THE WALL COULD BE NOTCHED.

A-A (50:1)



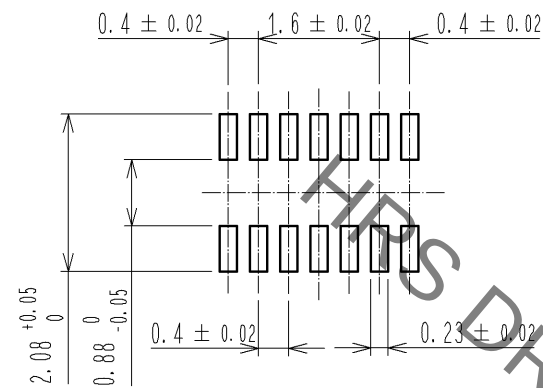
ENGAGEMENT FIGURE (50:1)



3	PS	CLEAR (EMBOSSED CARRIER TAPE)	6	PS	CLEAR (REINFORCEMENT COLLAR)
2	PHOSPHOR BRONZE	2	5	PS	BLACK (PLASTIC REEL)
1	LCP	UL94 V-0, BLACK	4	POLYESTER	CLEAR (COVER TAPE)
NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
UNITS mm		SCALE 10 : 1	COUNT 	DESCRIPTION OF REVISIONS	DESIGNED
HIROSE ELECTRIC CO., LTD.		APPROVED : KH. IKEDA	12. 03. 13	DRAWING NO.	EDC3-332307-01
		CHECKED : TS. MIYAZAKI	12. 03. 13	PART NO.	BM20B(0.8)-10DP-0.4V(51)
		DESIGNED : YK. SATAKE	12. 03. 12	CODE NO.	CL684-9001-5-51
		DRAWN : KR. AJITO	12. 03. 09		
					1/3

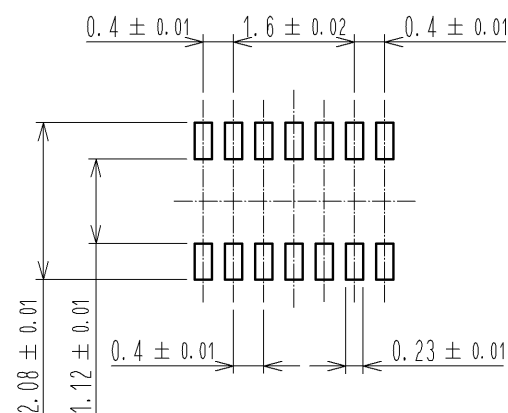
Jun.1.2020 Copyright 2020 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

◆RECOMMENDED PCB LAYOUT

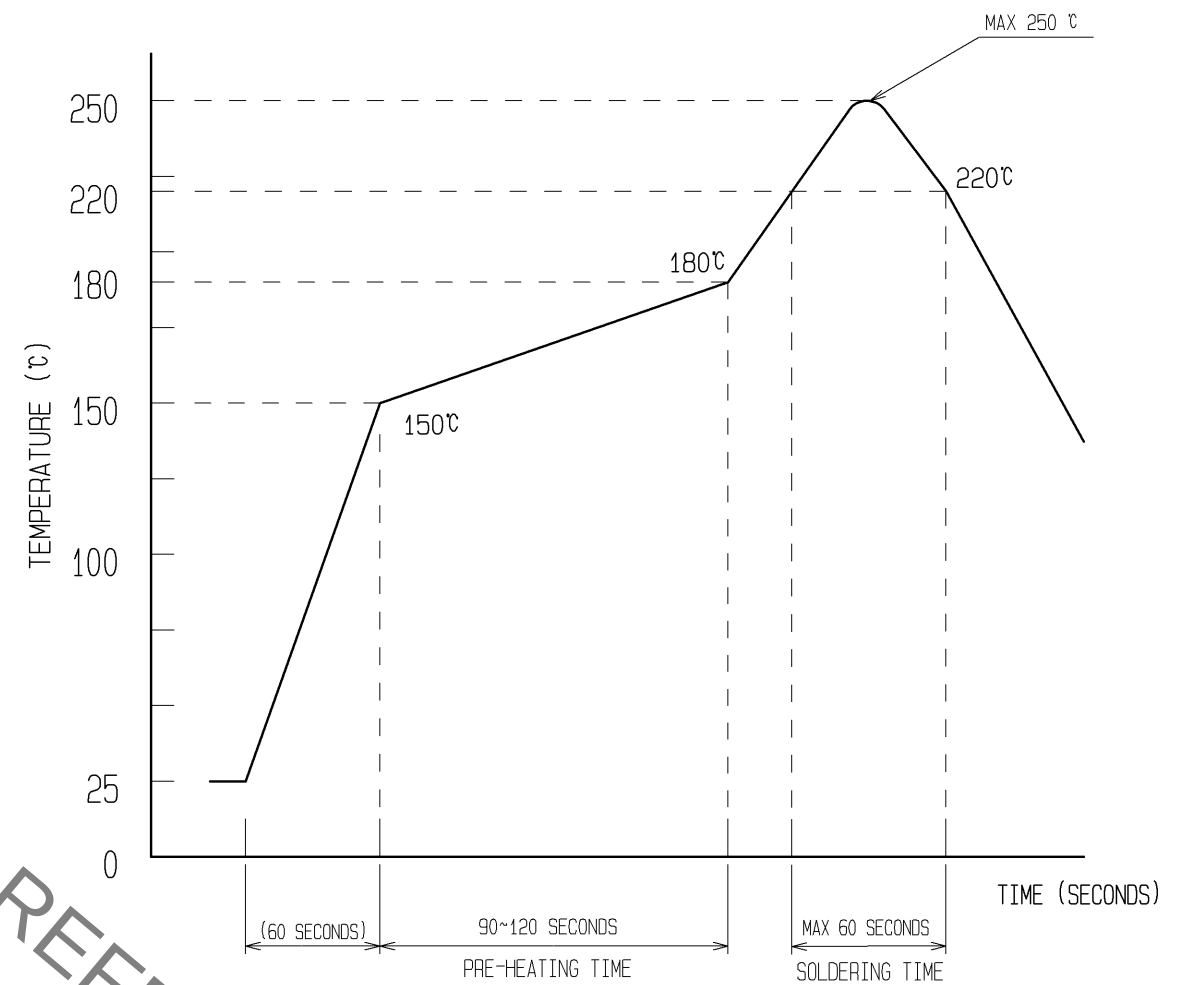


◆RECOMMENDED METAL MASK DIMENSIONS

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



6> 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 $^{\circ}\text{C}$: 60 SEC MAX.
(PEAK TEMPERATURE: 250 $^{\circ}\text{C}$ MAX)
2) PRE-HEAT TIME
PRE-HEAT TEMPERATURE(MIN): 150 $^{\circ}\text{C}$
PRE-HEAT TEMPERATURE(MAX): 180 $^{\circ}\text{C}$
PRE-HEAT TIME: 90-120 SEC.

6> 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 COONDITION IS REQUIRED
PRIOR TO PRODUCTION. TEPERATURE IS MEASURED AT CONTACT LEAD.

HRS

DRAWING NO.	EDC3-332307-01
PART NO.	BM20B<0.8>-10DP-0.4V<51>
CODE NO.	CL684-9001-5-51

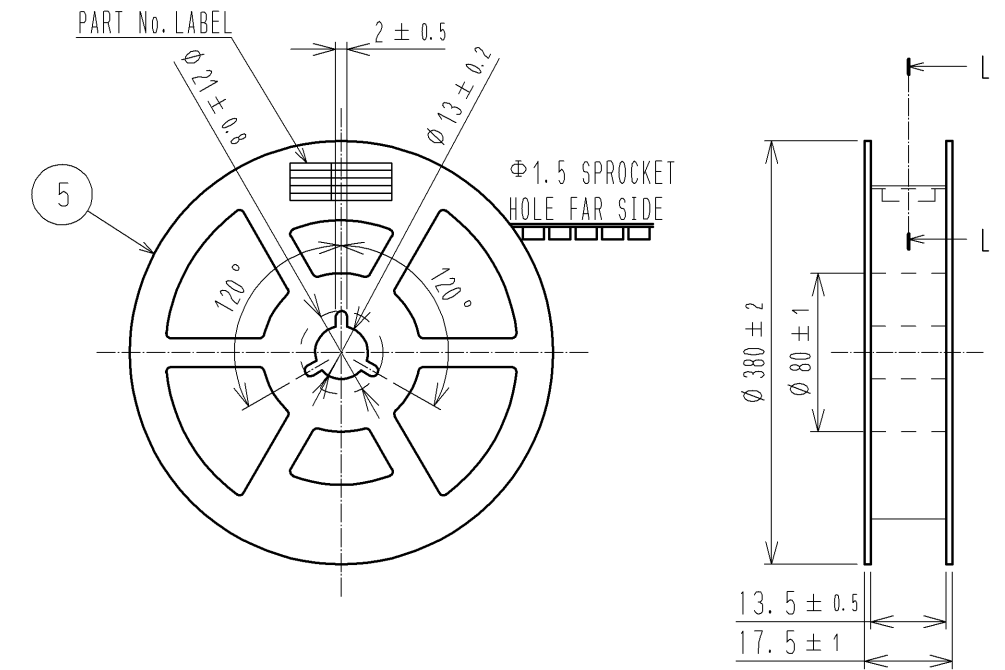
2/3

Jun.1.2020 Copyright 2020 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

EMBOSED CARRIER TAPE PACKAGING (5:1)

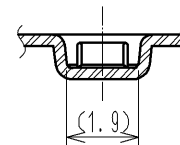
STYLE AND DIMENTION OF REEL (FREE)

D-D (5:1)

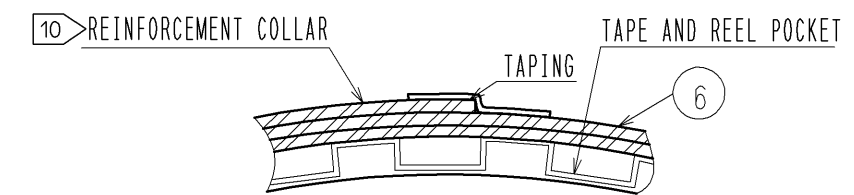


DIRECTION OF UNREELING

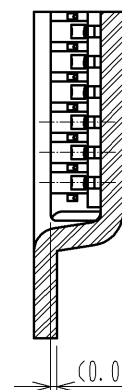
E-E (5:1)



L-L (FREE)



M (10:1)

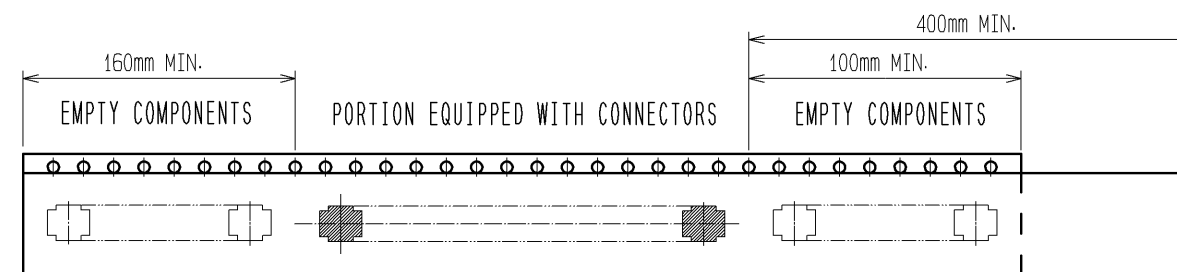


DETAIL OF PART No. LABEL

製造年月日	** ** *
製品コード	CL684-9001-5-51
製品名	BM20B(0.8)-10DP-0.4V(51)
数量	8,000
納入者	ヒロセ電機(株)

DATE OF MANUFACTURED
CODE No.
PART No.
QUANTITY
SUPPLIER

7. PER REEL 8000 CONNECTORS.
8. THE DIMENTION IN PARENTHESSES ARE FOR REFERENCE.
9. REFER TO JIS C 0806(PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING)
10. 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.



TRAILER

9 TAPING(FREE)

LEADER

HRS

DRAWING NO.	EDC3-332307-01
PART NO.	BM20B(0.8)-10DP-0.4V(51)
CODE NO.	CL684-9001-5-51

3/3