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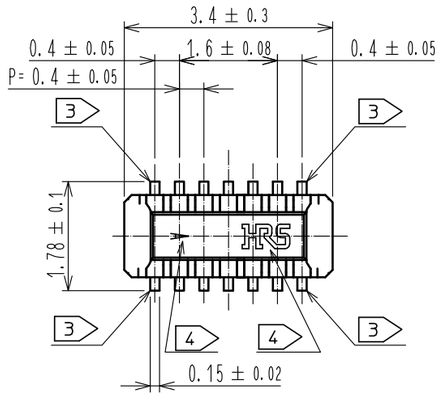
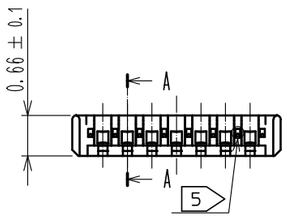
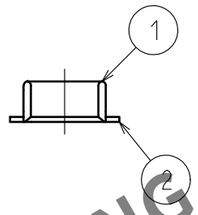
HRS DRAWING FOR REFERENCE

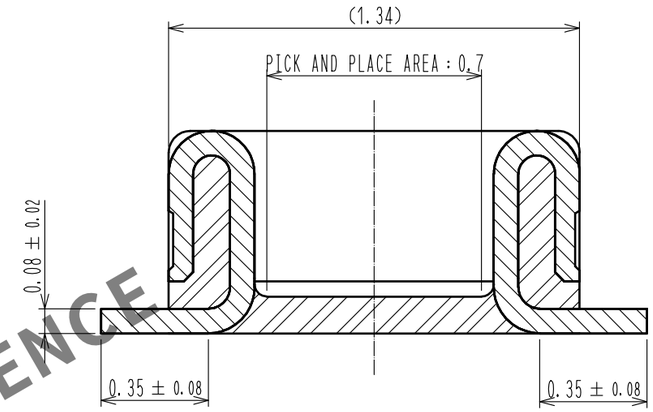




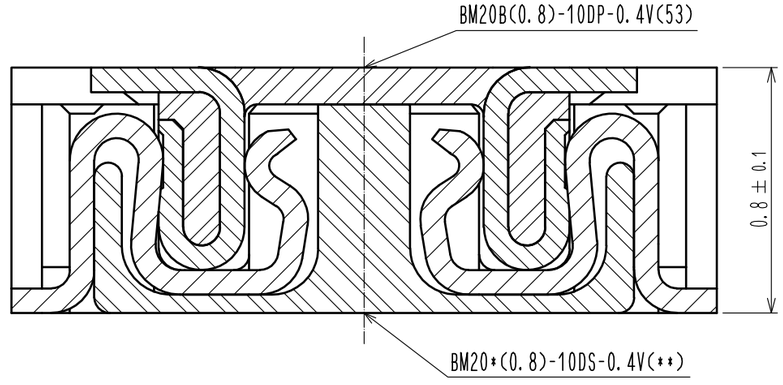


NOTE 1. ALL LEAD CO-PLANARITY SHALL BE 0.08mm MAX
2. CONTACT PLATING SPECIFICATIONS
CONTACT AREA : GOLD 0.05μm MIN
SMT LEAD : GOLD 0.05μm MIN
UNDER PLATING : NICKEL 1μm MIN
(SURFACE : SEALING)
3. EACH CONTACTS AT 4 CORNERS ARE PROVIDED FOR METAL FITTINGS.
4. HRS MARK AND CAV No. ARE INDICATED IN APPROX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

A-A (50:1)



ENGAGEMENT FIGURE (50:1)



NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
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)

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	10 : 1	0					

HIROSE ELECTRIC CO., LTD.

APPROVED	WR. FUKUCHI	20200107	DRAWING NO.	EDC-332307-53-00
CHECKED	TS. MIYAZAKI	20200107	PART NO.	BM20B(0.8)-10DP-0.4V(53)
DESIGNED	KT. KUSAKA	20200107	CODE NO.	CL684-9001-5-53
DRAWN	MN. SATOH	20200107		0 1/3

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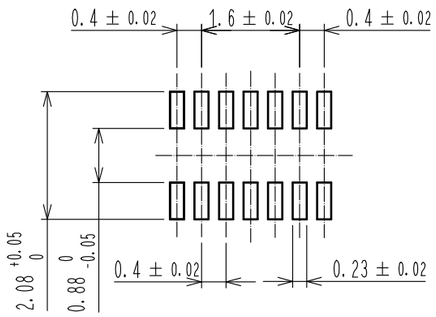
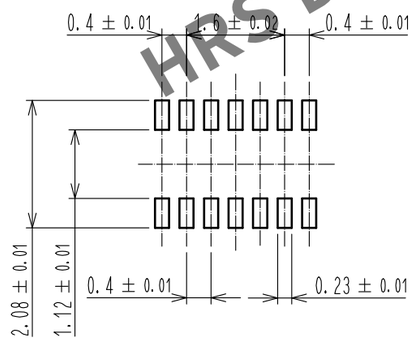
◈RECOMMENDED PCB LAYOUT

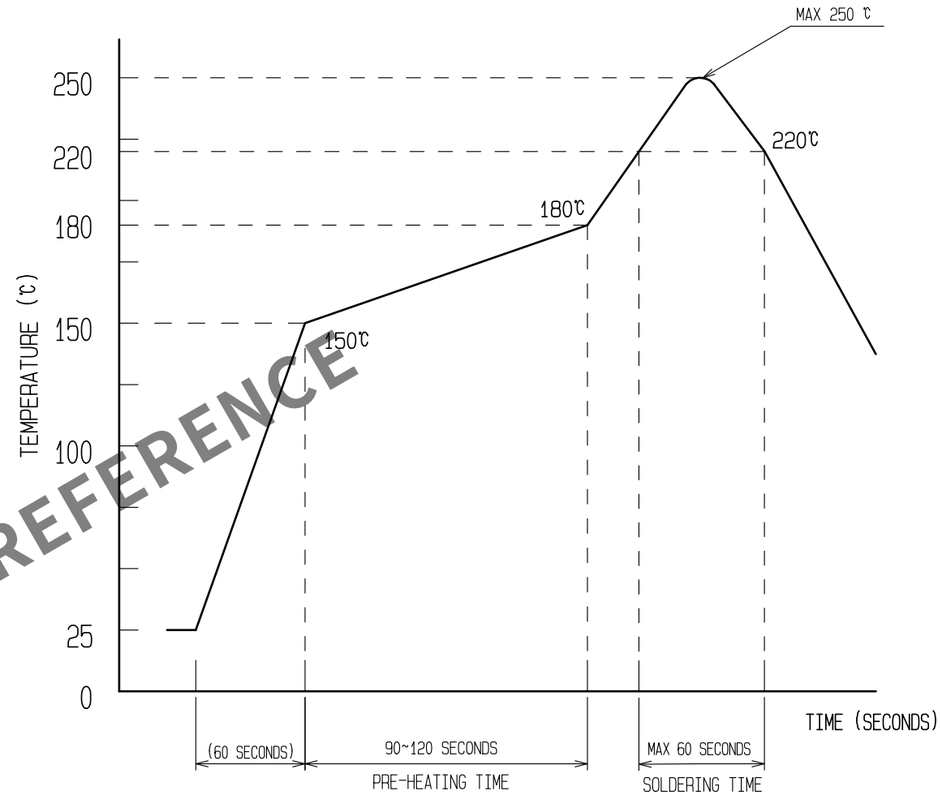


◈RECOMMENDED METAL MASK DIMENSIONS

METAL MASK THICKNESS : 100μm



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℃, 60 SEC MAX.
  (PEAK TEMPERATURE:250℃ MAX)
2)PRE-HEAT TIME
  PRE-HEAT TEMPERATURE(MIN):150℃
  PRE-HEAT TEMPERATURE(MAX):180℃
  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 FOR REFERENCE

HRS	DRAWING NO.	EDC-332307-53-00
	PART NO.	BM20B(0.8)-10DP-0.4V(53)
	CODE NO.	CL684-9001-5-53

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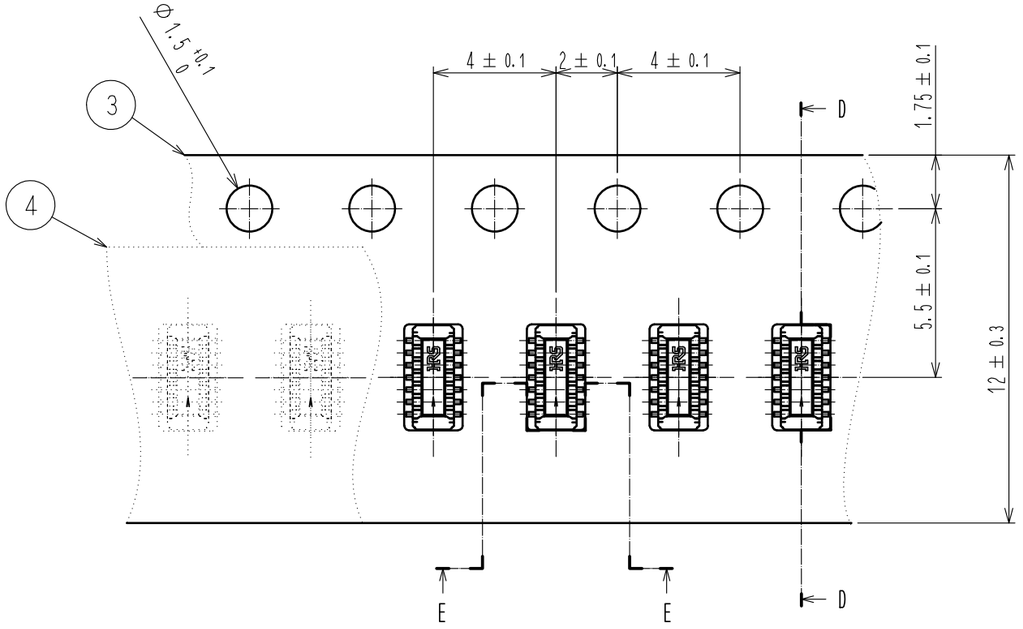
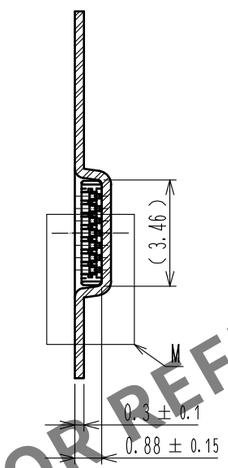
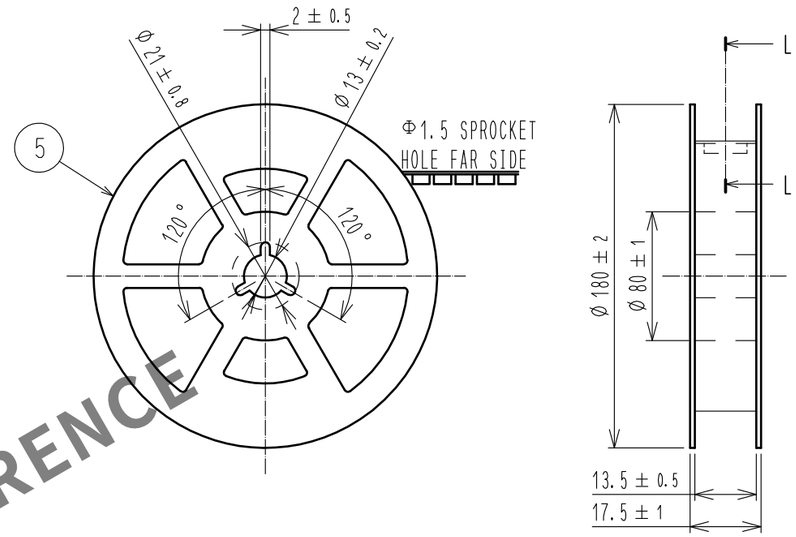
EMBOSSED CARRIER TAPE PACKAGING (5:1)



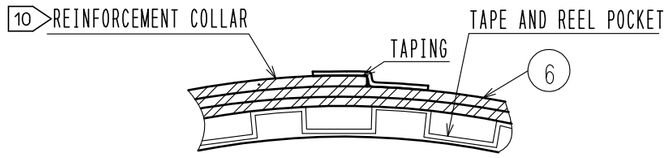
D-D (5:1)



STYLE AND DIMENSION OF REEL (FREE)

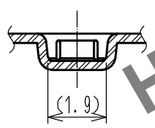


L-L (FREE)

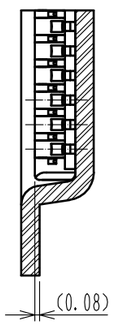


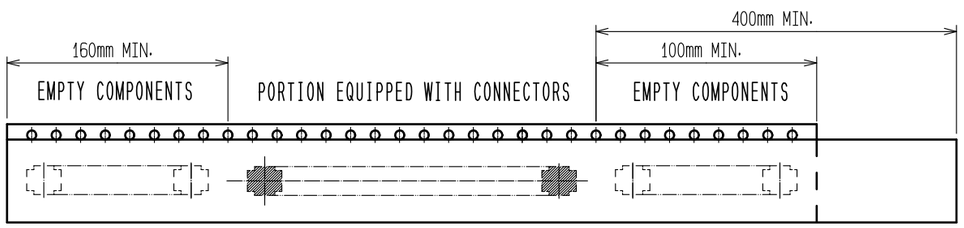
DIRECTION OF UNREELING

E-E (5:1)



M (10:1)





9 TAPING(FREE)

7. PER REEL 1000 CONNECTORS.
8. THE DIMENTIONS IN PARENTHESES ARE FOR REFFERENCE.
9. REFER TO JIS C 0806(PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLIMG)
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.

HRS DRAWING FOR REFERENCE

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CODE NO.	CL684-9001-5-53