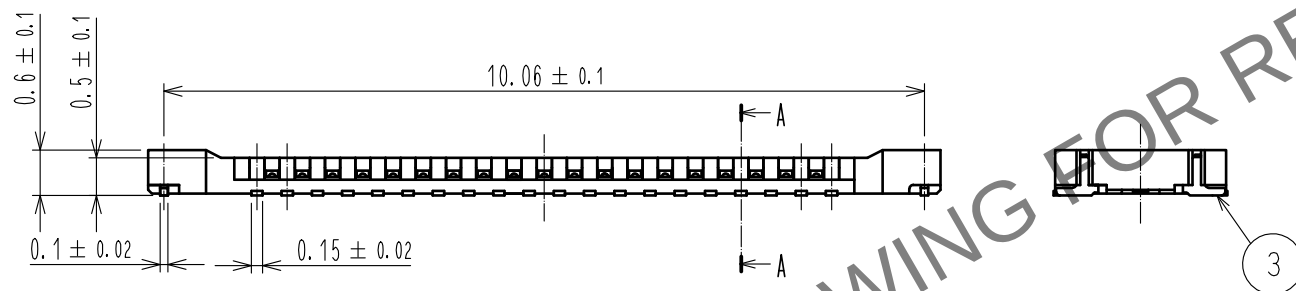
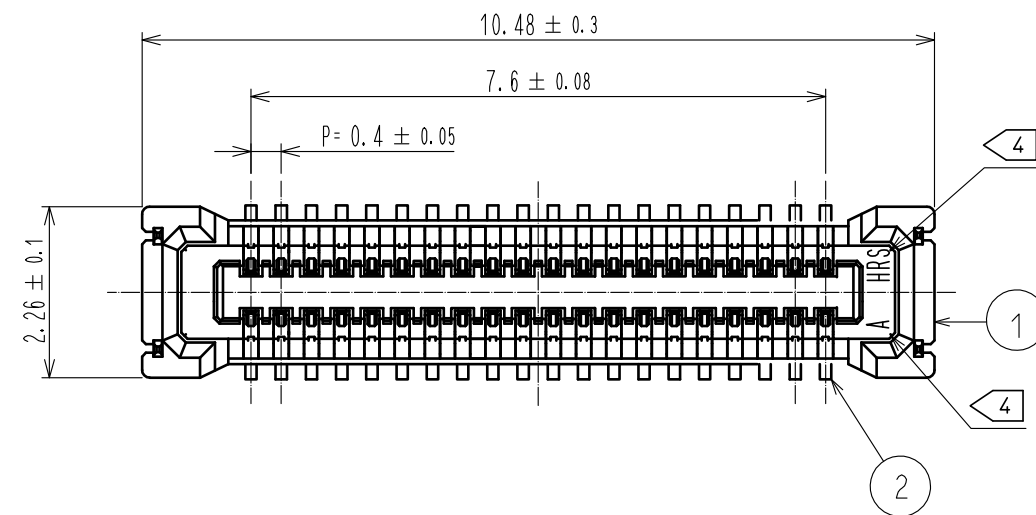
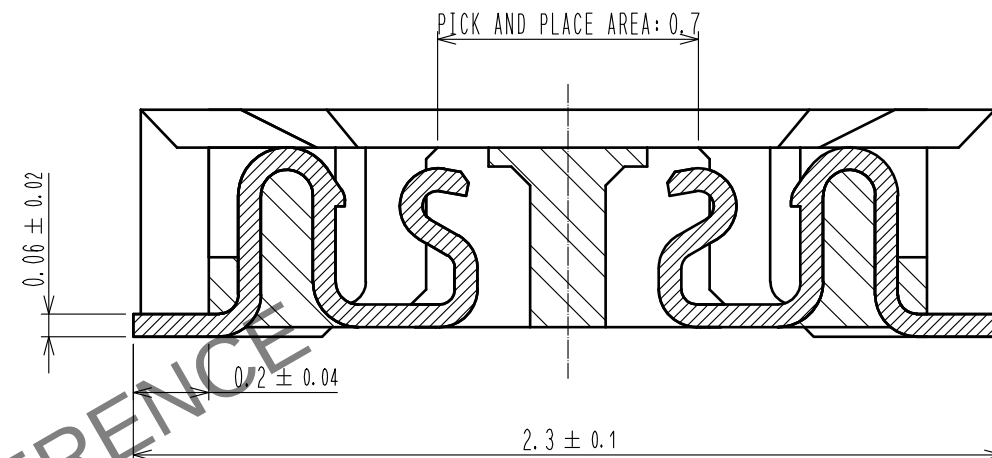


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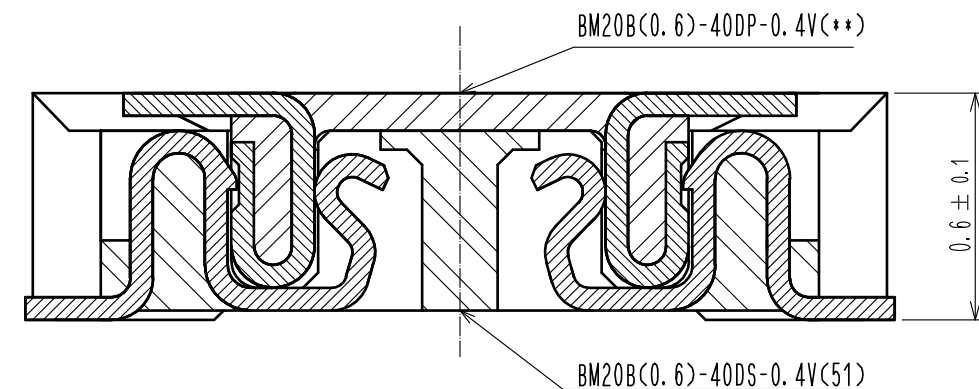


- NOTE 1 . ALL LEAD CO-PLANARITY SHALL BE 0.08mm MAX
- 2 CONTACT PLATING SPECIFICATIONS  
CONTACT AREA : GOLD 0.05μm MIN  
SMT LEAD : GOLD 0.05μm MIN  
UNDERPLATING : NICKEL 1μm MIN  
( SURFACE : SEALING )
- 3 MATAL FITTING PLATING SPECIFICATIONS  
SMT LEAD : GOLD 0.05μm MIN  
UNDERPLATING : NICKEL 1μm MIN  
( SURFACE : SEALING )
- 4 HRS MARK AND CAV NO. ARE INDICATED IN APPROX POSITION SHOWN.

A-A(50:1)



ENGAGEMENT FIGURE (50:1)



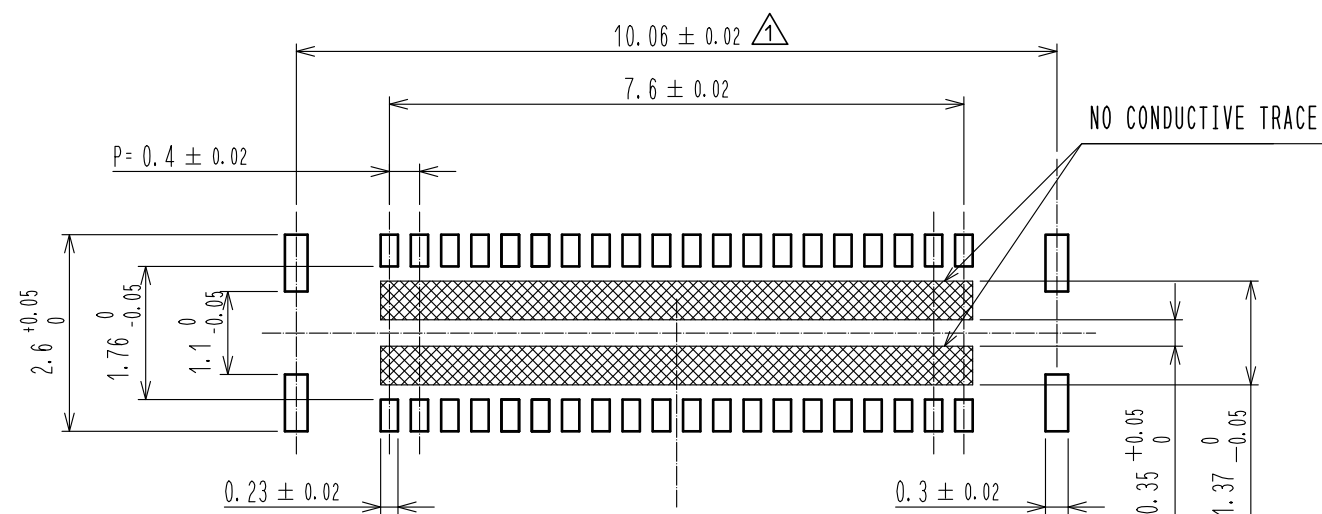
|     |                 |                               |  |     |           |                              |
|-----|-----------------|-------------------------------|--|-----|-----------|------------------------------|
| 4   | PS              | CLEAR (EMBOSSED CARRIER TAPE) |  |     |           |                              |
| 3   | BRASS           | <div>3</div>                  |  | 7   | PS        | CLEAR (REINFORCEMENT COLLAR) |
| 2   | PHOSPHOR BRONZE | <div>2</div>                  |  | 6   | PS        | BLACK (PLASTIC REEL)         |
| 1   | LCP             | UL94 V-0, BLACK               |  | 5   | POLYESTER | CLEAR (COVER TAPE)           |
| NO. | MATERIAL        | FINISH , REMARKS              |  | NO. | MATERIAL  | FINISH , REMARKS             |

|             |  |                 |               |       |                          |             |              |            |
|-------------|--|-----------------|---------------|-------|--------------------------|-------------|--------------|------------|
| UNITS<br>mm |  | SCALE<br>10 : 1 | <div></div> 3 | COUNT | DESCRIPTION OF REVISIONS | DESIGNED    | CHECKED      | DATE       |
|             |  |                 |               |       | DIS-H-00003231           | RT. SHIMIZU | TS. MIYAZAKI | 17. 11. 02 |

|                                                                                                                 |                        |            |                                                 |                            |  |
|-----------------------------------------------------------------------------------------------------------------|------------------------|------------|-------------------------------------------------|----------------------------|--|
|  HIROSE ELECTRIC CO., LTD. | APPROVED : KH. IKEDA   | 13. 07. 11 | DRAWING NO.                                     | EDC3-347100-01             |  |
|                                                                                                                 | CHECKED : WR. FUKUCHI  | 13. 07. 11 | PART NO.                                        | BM20B(0. 6)-40DS-0. 4V(51) |  |
|                                                                                                                 | DESIGNED : RT. SHIMIZU | 13. 07. 10 | CODE NO.                                        | CL684-9313-8-51            |  |
|                                                                                                                 | DRAWN : Hongwoo. Jo    | 13. 07. 09 | <div><div><div></div></div><div>1/3</div></div> |                            |  |

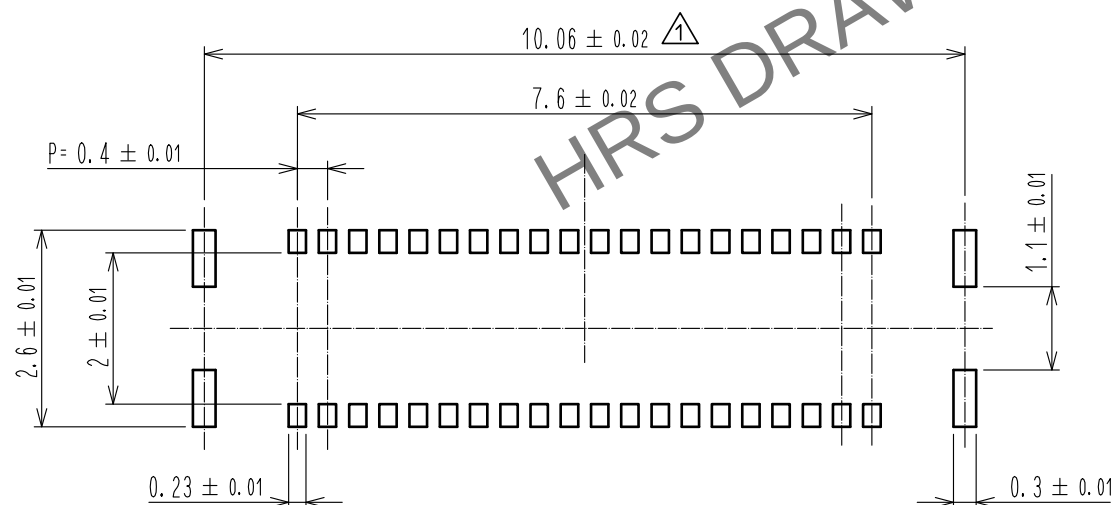
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## ◆RECOMMENDED PCB LAYOUT

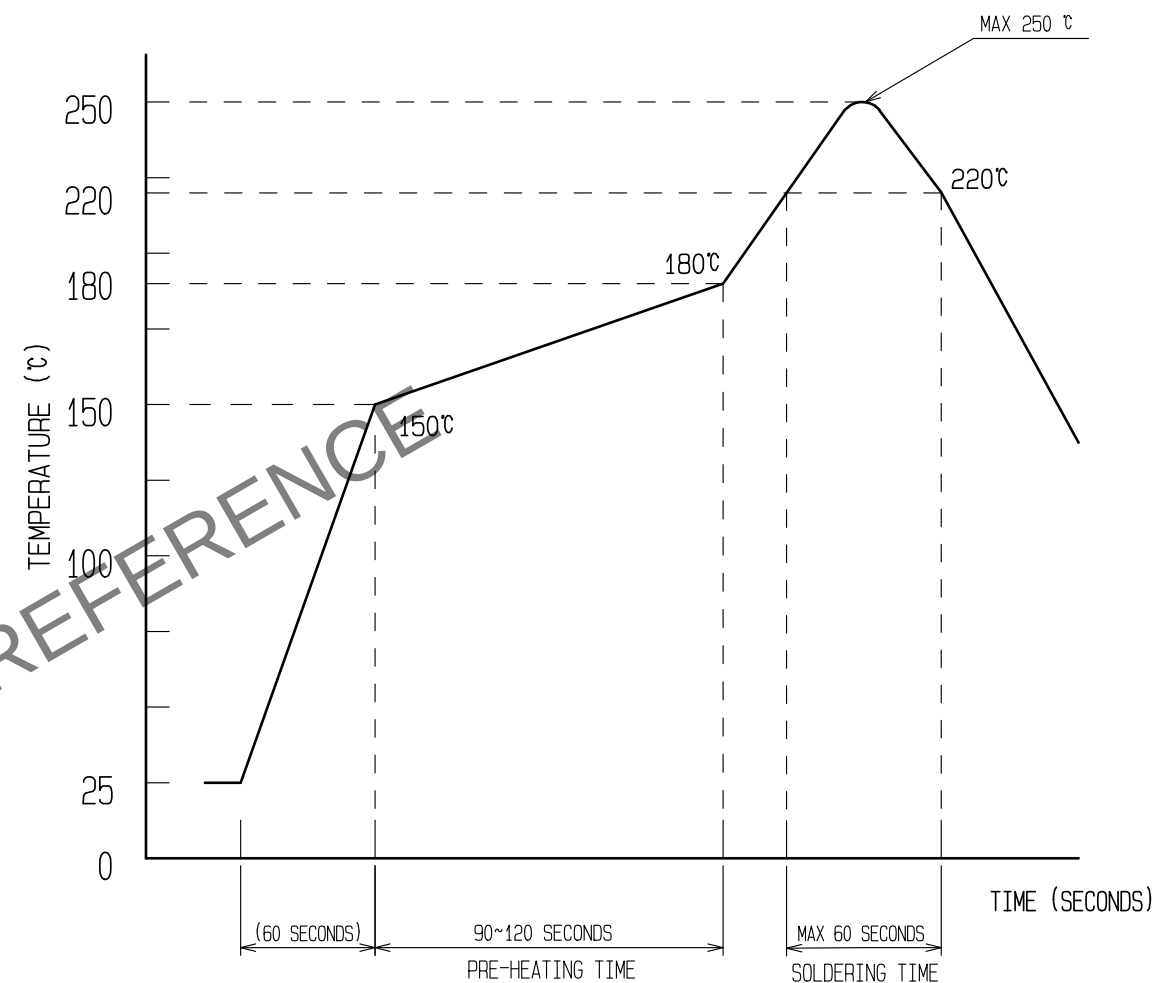


## ◆RECOMMENDED METAL MASK DIMENSIONS

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



## 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 THE 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. | EDC3-347100-01           |
| PART NO.    | BM20B(0.6)-40DS-0.4V(51) |
| CODE NO.    | CL684-9313-8-51          |

1/2/3

