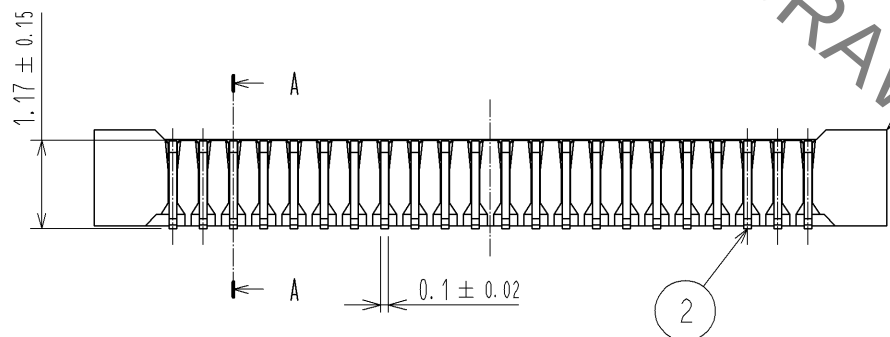
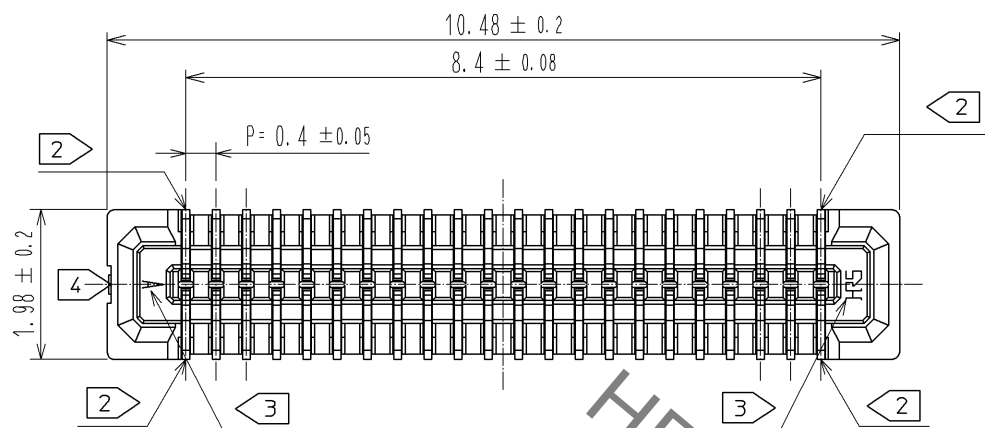
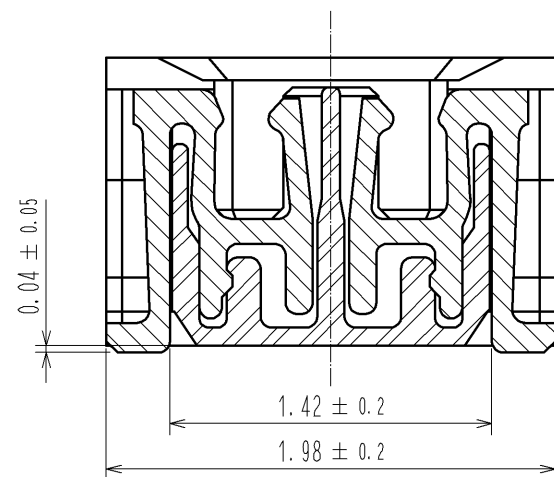


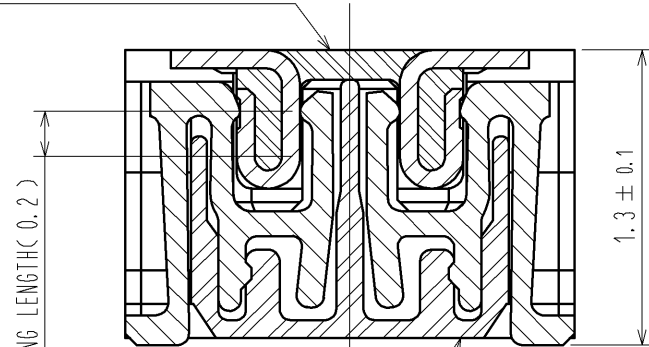
- NOTE) 1 . ALL LEAD CO-PLANARITY SHALL BE 0.08mm MAX  
2 . EACH CONTACTS AT 4 CORNERS ARE PROVIDED FOR METAL FITTINGS AND GROUNDING PURPOSE.  
3 . HRS MARK AND CAV NO. ARE INDICATED IN APPROX POSITION SHOWN.  
4 . GATE POSITION IS INDICATED IN APPROX POSITION SHOWN.

A-A(FREE)



ENGAGEMENT FIGURE (FREE)

BM14B(0.8)-40DP-0.4V(\*\*)

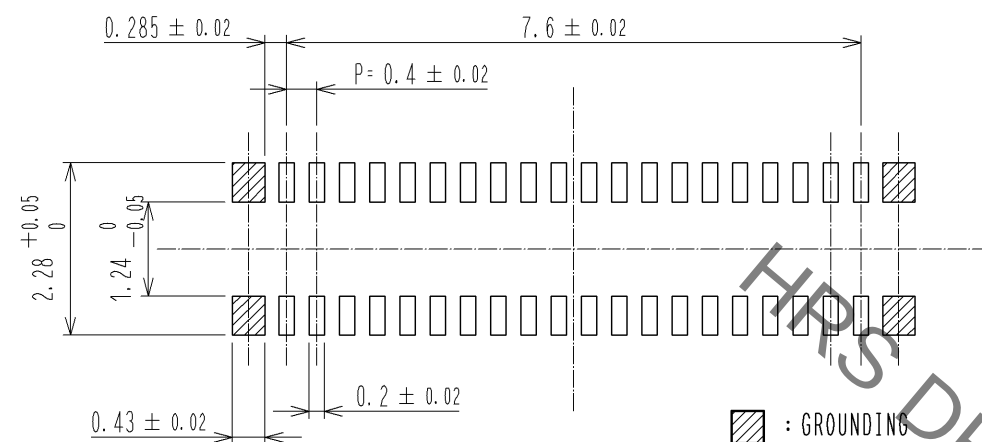


BM14EB(1.3)-40DS-0.4V(51)

|     |                 |                                  |  |     |           |                               |  |
|-----|-----------------|----------------------------------|--|-----|-----------|-------------------------------|--|
| 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 (ENBOSSED CARRIER TAPE) |  |
| NO. | MATERIAL        | FINISH , REMARKS                 |  | NO. | MATERIAL  | FINISH , REMARKS              |  |

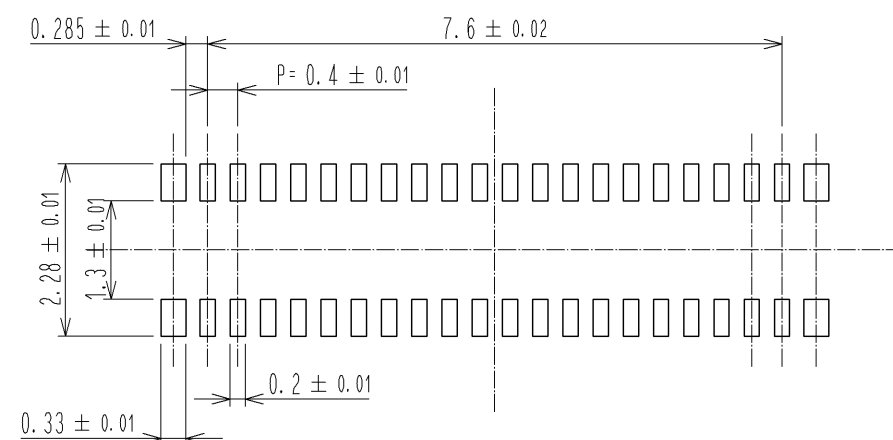
|                           |  |                       |            |             |                           |          |         |      |
|---------------------------|--|-----------------------|------------|-------------|---------------------------|----------|---------|------|
| UNITS<br>mm               |  | SCALE<br>10 : 1       |            | COUNT       | DESCRIPTION OF REVISIONS  | DESIGNED | CHECKED | DATE |
| HIROSE ELECTRIC CO., LTD. |  | APPROVED : KH. IKEDA  | 14. 02. 24 | DRAWING NO. | EDC3-341489-01            |          |         |      |
|                           |  | CHECKED : YH. MICHIDA | 14. 02. 24 | PART NO.    | BM14EB<1.3>-40DS-0.4V<51> |          |         |      |
|                           |  | DESIGNED : SH. HOSODA | 14. 02. 21 | CODE NO.    | CL684-8174-8-51           |          |         |      |
|                           |  | DRAWN : SH. HOSODA    | 14. 02. 21 |             |                           |          | 1/3     |      |

◆ RECOMMENDED PCB LAYOUT

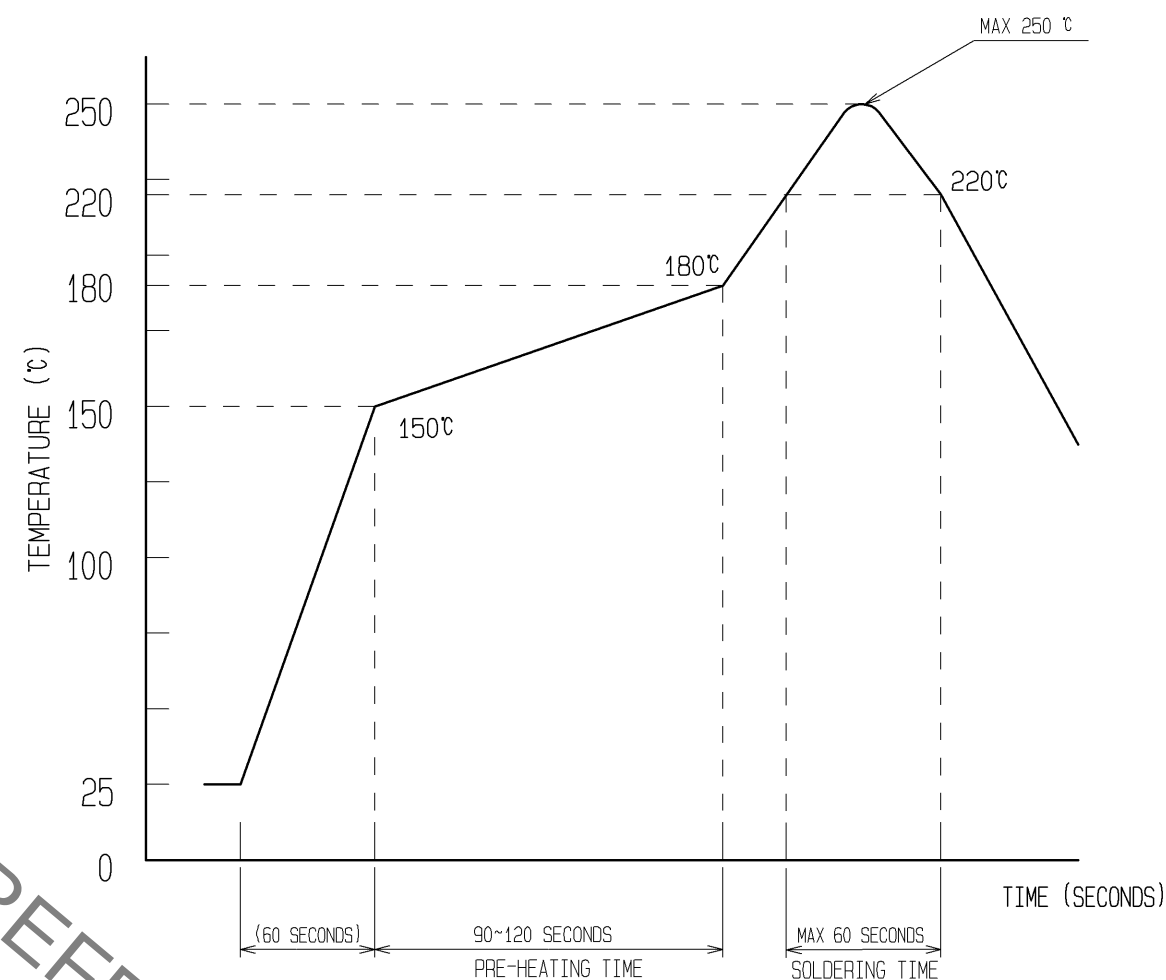


◆ RECOMMENDED METAL MASK DIMENSIONS

METAL 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 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**

図番: EDC3-341489-01  
製品名: BM14EB<1.3>-40DS-0.4V<51>  
製品コード: CL684-8174-8-51

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