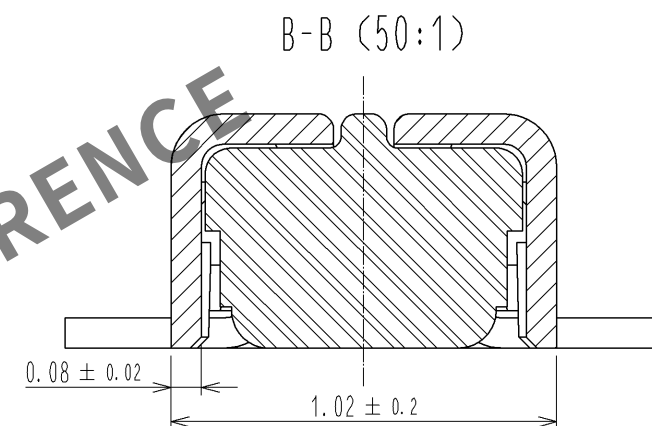
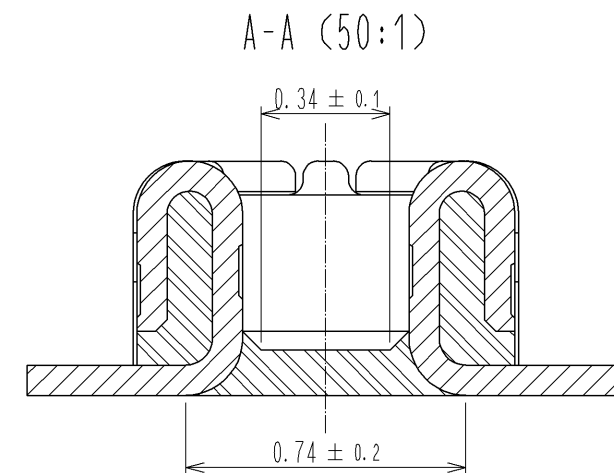
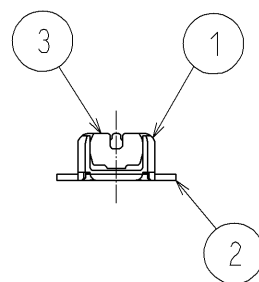
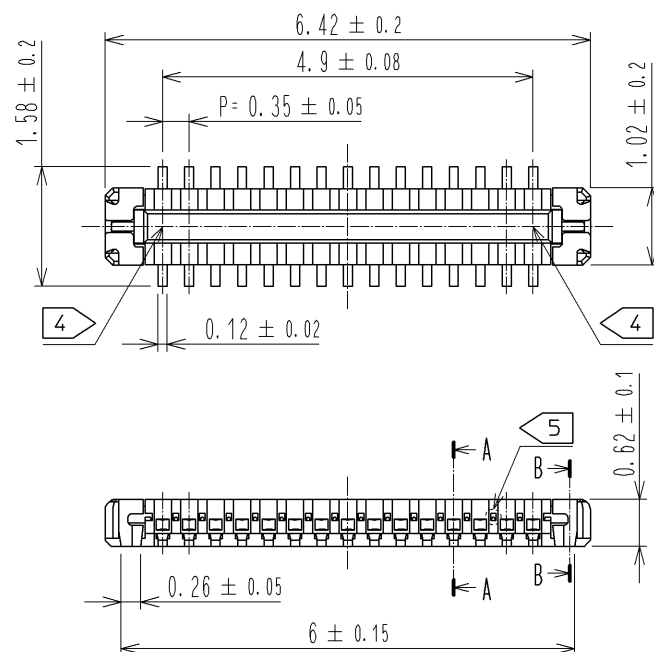
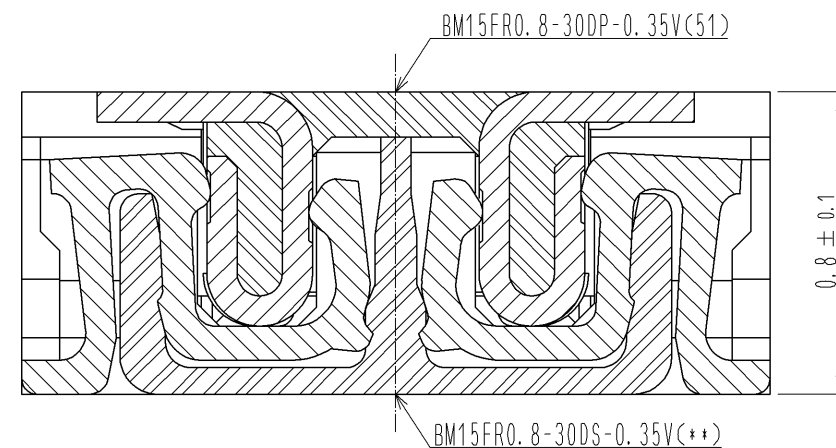




ENGAGEMENT FIGURE (50:1)

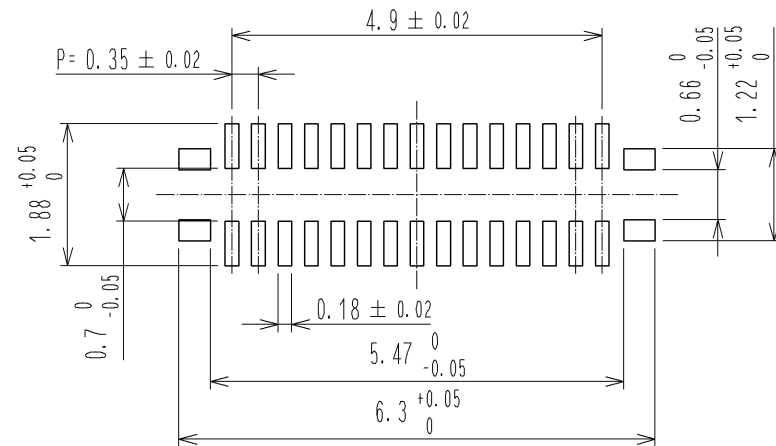


- NOTE) 1. ALL LEAD CO-PLANARITY SHALL BE 0.08mm MAX  
2. CONTACT PLATING SPECIFICATIONS  
CONTACT AREA : GOLD  $0.05 \mu\text{m}$  MIN  
SMT LEAD : GOLD  $0.05 \mu\text{m}$  MIN  
UNDERPLATING : NICKEL  $1 \mu\text{m}$  MIN  
(SURFACE : SEALING)  
3. REINFORCED METAL FITTINGS LOCK  
SMT LEAD : GOLD  $0.05 \mu\text{m}$  MIN  
UNDERPLATING : NICKEL  $1 \mu\text{m}$  MIN  
(SURFACE : SEALING)  
4. CAV No. AND HRS MARK MYE BE INDICATED IN APPROX POSITION SHOWN.  
5. A PART OF THE WALL COULD BE NOTCHED.

|                           |                 |                               |            |                          |                              |
|---------------------------|-----------------|-------------------------------|------------|--------------------------|------------------------------|
| 4                         | PS              | CLEAR (ENBOSSED CARRIER TAPE) |            |                          |                              |
| 3                         | PHOSPHOR BRONZE | 3                             | 7          | PS                       | CLEAR (REINFORCEMENT COLLAR) |
| 2                         | PHOSPHOR BRONZE | 2                             | 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               | COUNT<br>  | DESCRIPTION OF REVISIONS | DESIGNED                     |
|                           |                 |                               |            |                          | CHECKED                      |
|                           |                 |                               |            |                          | DATE                         |
| HIROSE ELECTRIC CO., LTD. |                 | APPROVED : KH. IKEDA          | 14. 01. 24 | DRAWING NO.              | EDC3-356366-01               |
|                           |                 | CHECKED : YH. MICHIDA         | 14. 01. 24 | PART NO.                 | BM15FR0.8-30DP-0.35V(51)     |
|                           |                 | DESIGNED : YK. KOBAYASHI      | 14. 01. 23 | CODE NO.                 | CL673-1243-7-51              |
|                           |                 | DRAWN : YK. KOBAYASHI         | 14. 01. 23 |                          |                              |

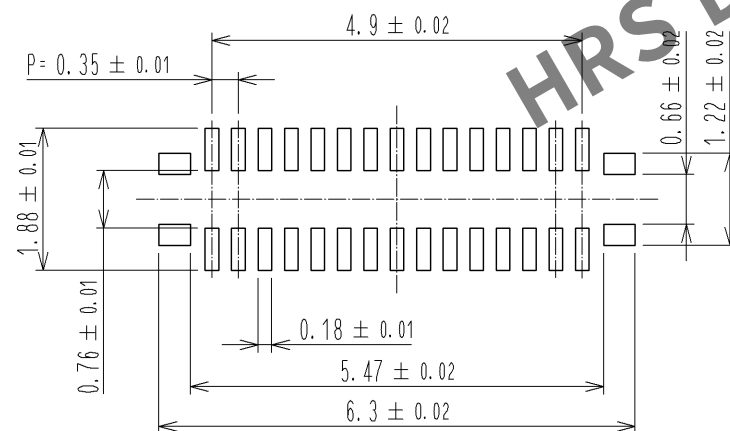
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## ◆ RECOMMENDED PCB LAYOUT

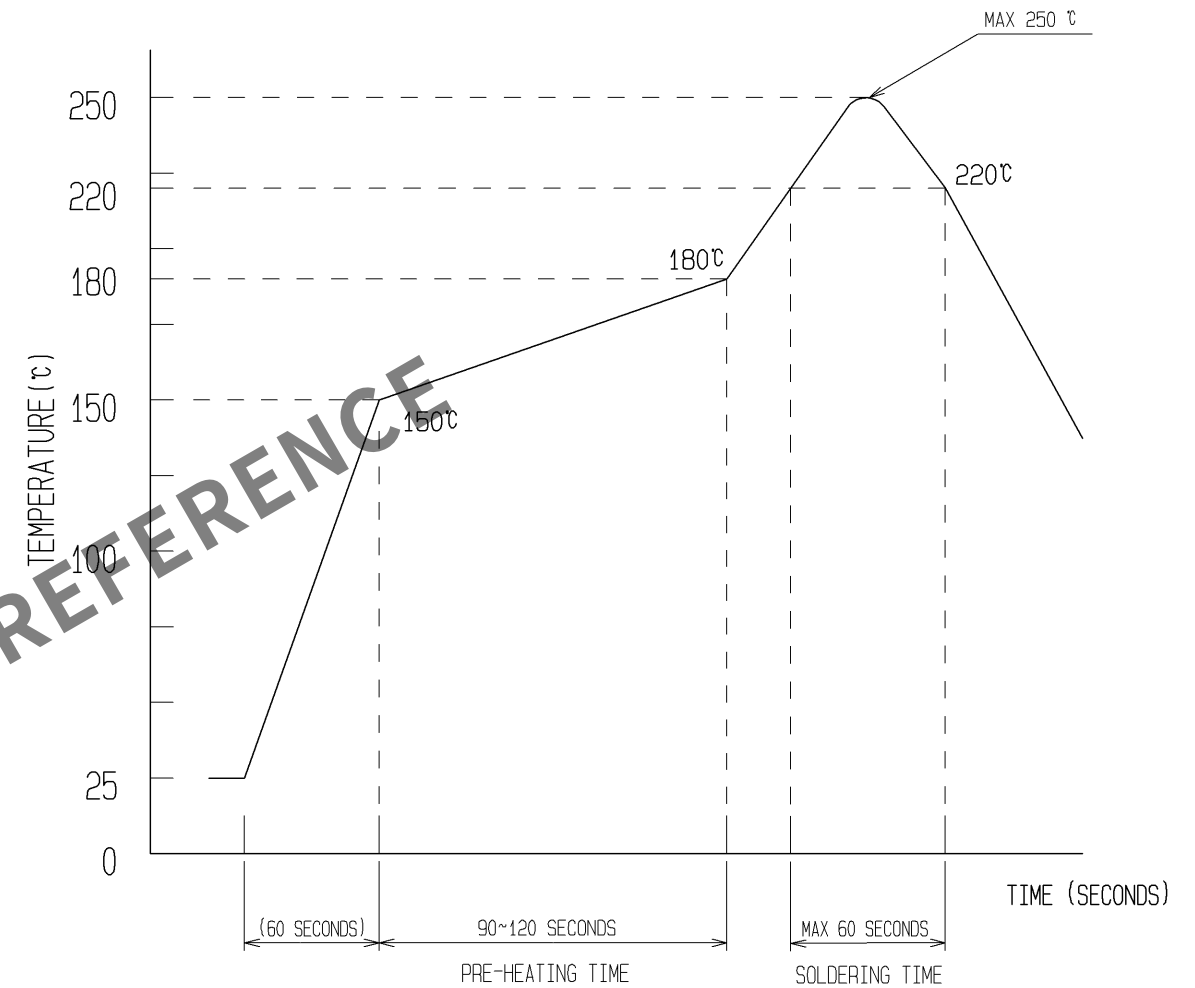


## ◆ RECOMMENDED METAL MASK DIMENSIONS

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°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.

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 CONDITION IS REQUIRED  
PRIOR TO PRODUCTION. TEMPERATURE IS MEASURED AT CONTACT LEAD.

**HRS**

|             |                          |
|-------------|--------------------------|
| DRAWING NO. | EDC3-356366-01           |
| PART NO.    | BM15FR0.8-30DP-0.35V<51> |
| CODE NO.    | CL673-1243-7-51          |

2/3

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