

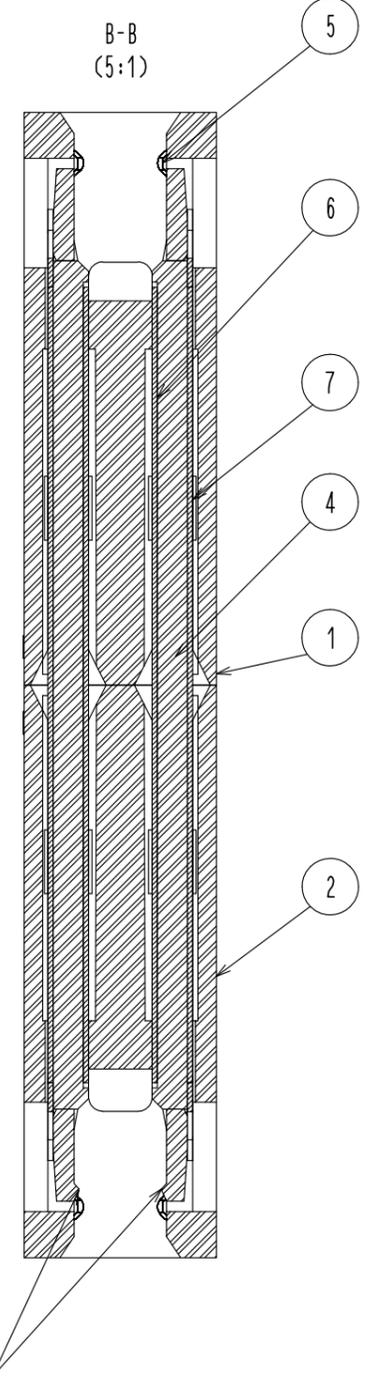
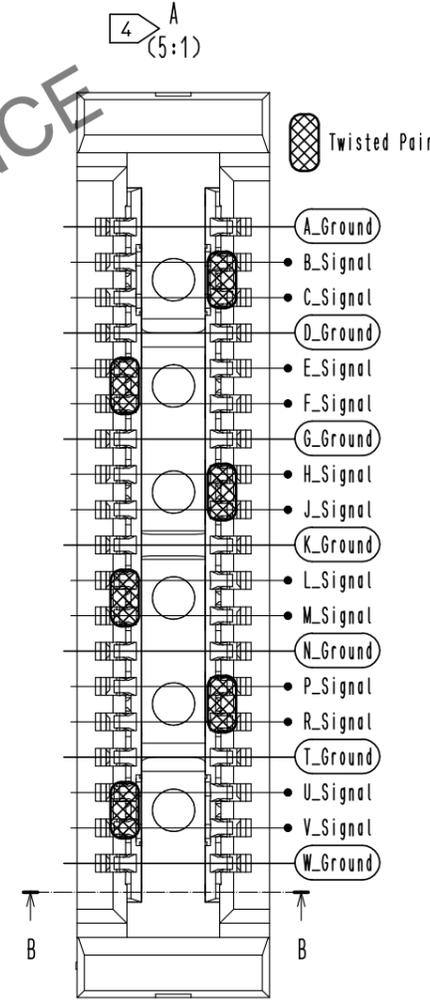
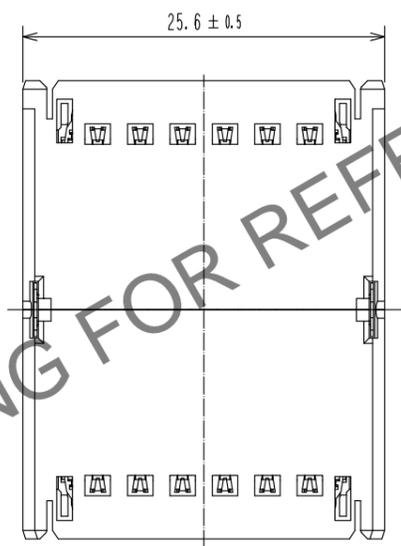
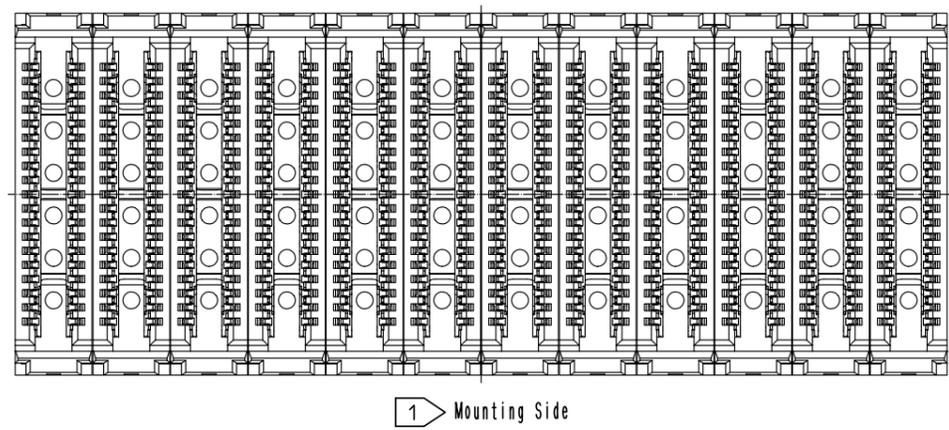
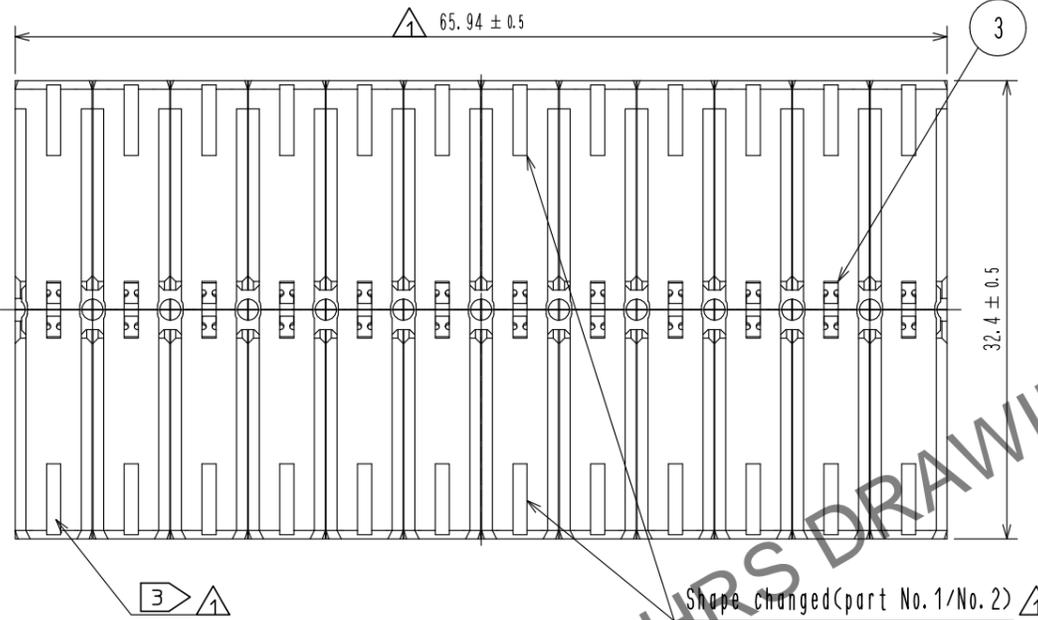
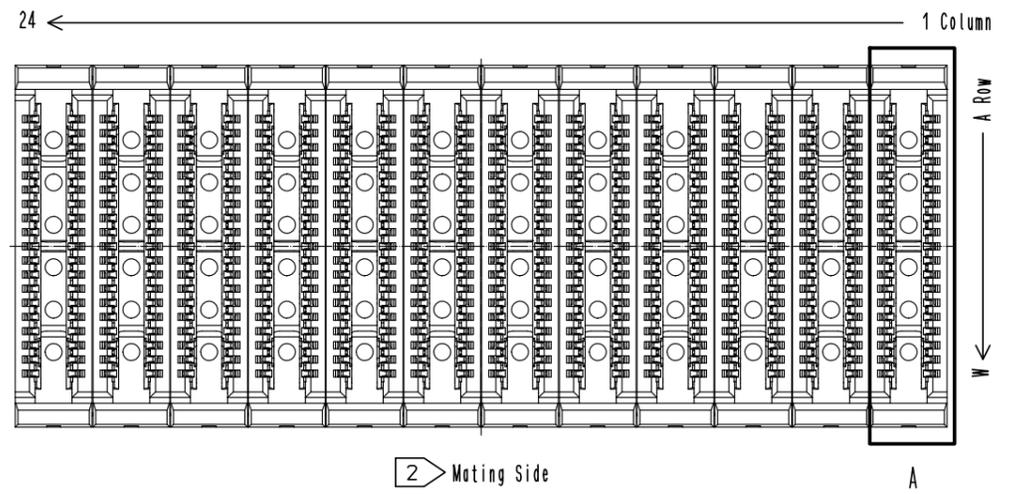
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Note.

- 1 Mounting side is mated with Plug-M:IT8M-288P-BGA-H(\*\*) and fixed with the latch.
- 2 Mating side is mated with Plug-D:IT8D-288P-BGA-H(\*\*).
- 3 Lot No. shall be marked at the indicated position.
- 4 IT8 Series apply GSSG. pin assign as shown. Twisted pairs are indicated by the hatch marks. Twisted pairs are twisted in the center to reduce FEXT.
- 5 The indicated mother board and daughter card shall be fastened to the additional reinforcements to prevent the stress on IT8\*-288P-BGA-H(\*\*) solder joints.
- 6 This product consists of 288 signal contacts and 168 ground contacts.
- 7 The spacer height of this product assembled with mounted IT8M-288P-BGA-H(\*\*) and IT8D-288P-BGA-H(\*\*) shall be indicated in Table 1.

Table 1 Spacer height

| Spacer height (X)        | 35                   | 36                   | 37                   |
|--------------------------|----------------------|----------------------|----------------------|
| Plug-D (Detachable Side) | IT8D-***P-BGA-OH(**) | IT8D-***P-BGA-OH(**) | IT8D-***P-BGA-1H(**) |
| Interposer               | IT8-***S-35H(**)     |                      |                      |
| Plug-M (Mounting Side)   | IT8M-***P-BGA-OH(**) | IT8M-***P-BGA-1H(**) | IT8M-***P-BGA-1H(**) |



| NO. | MATERIAL | FINISH . REMARKS | NO. | MATERIAL     | FINISH . REMARKS                                 |
|-----|----------|------------------|-----|--------------|--|
| 4   | LCP      | BLACK. UL94V-0   | 7   | SUS          |  |
| 3   | SUS      |                  | 6   | SUS          |  |
| 2   | PPS      | BLACK. UL94V-0   | 5   | Copper Alloy | Contact area:Nickel 1.27µm min.+Gold 0.76µm min. |
| 1   | PPS      | GRAY. UL94V-0    |     |              | Other area:Nickel 1.27µm min.                    |

| UNITS | SCALE | COUNT | DESCRIPTION OF REVISIONS | DESIGNED  | CHECKED      | DATE       |
|-------|-------|-------|--------------------------|-----------|--------------|------------|
| mm    | 2 : 1 | 6     | DIS-F-00001511           | NH. TAMAI | YS. TAKEUCHI | 16. 08. 08 |

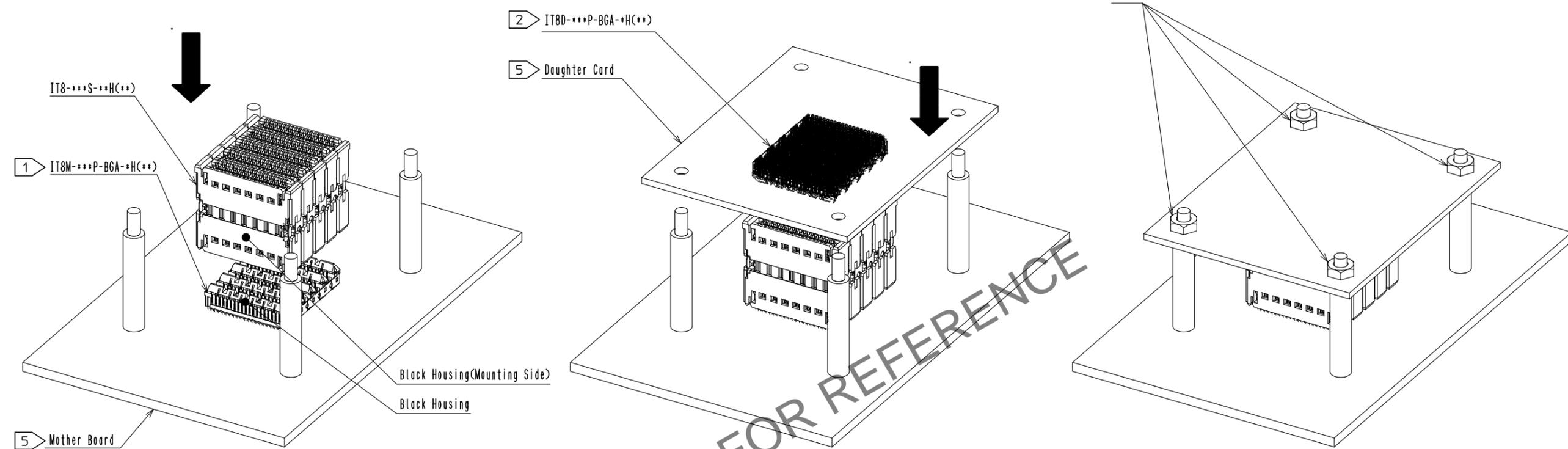
  

| APPROVED  | CHECKED   | DESIGNED     | DRAWN        | DRAWING NO.      | PART NO.     | CODE NO.        |
|-----------|-----------|--------------|--------------|------------------|--------------|-----------------|
| MK. EZAKI | MK. EZAKI | YS. TAKEUCHI | YS. TAKEUCHI | EDC-355934-00-00 | IT8-288S-35H | CL636-3502-4-00 |

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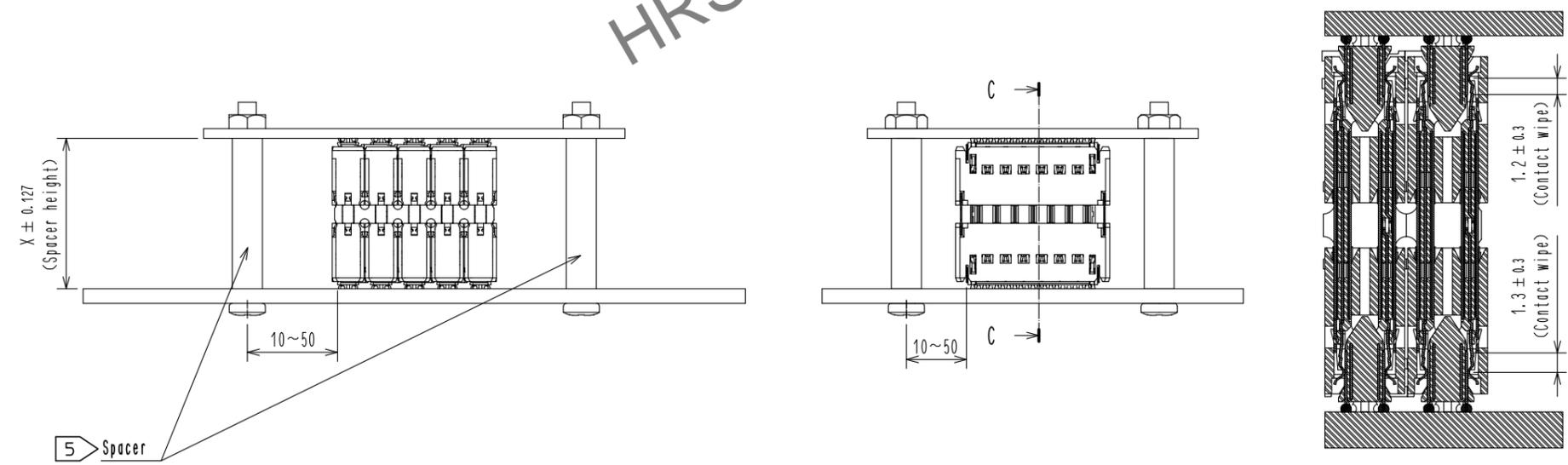


### IT8 Assembly Process



- 1) Insert mounting side of Interposer(IT8-\*\*\*S-\*\*\*H(\*\*)) by pressing on top of Interposer into reflowed Mounting Plug(IT8M-\*\*\*P-BGA-\*\*\*H(\*\*)) having black housings.
- 2) Insert Detachable Plug(IT8D-\*\*\*P-BGA-\*\*\*H(\*\*)) having gray housings into mating side of Interposer(IT8-\*\*\*S-\*\*\*H(\*\*)).
- 3) Install and tighten nuts to fix mated Detachable Plug after completion of mating.

### IT8 Mated Condition



|            |             |                  |  |
|------------|-------------|------------------|--|
| <b>HRS</b> | DRAWING NO. | EDC-355934-00-00 |  |
|            | PART NO.    | IT8-288S-35H     |  |
|            | CODE NO.    | CL636-3502-4-00  |  |
|            | 2/2         |                  |  |