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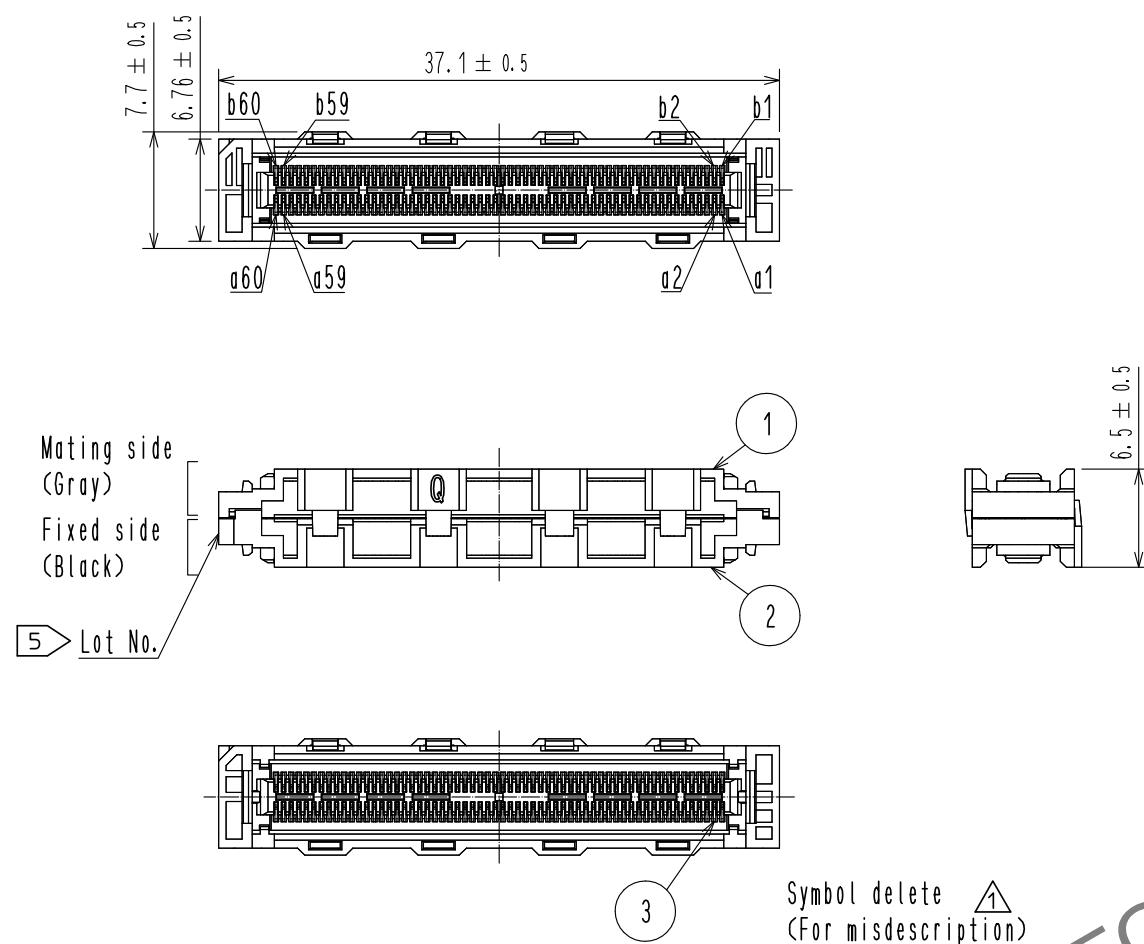


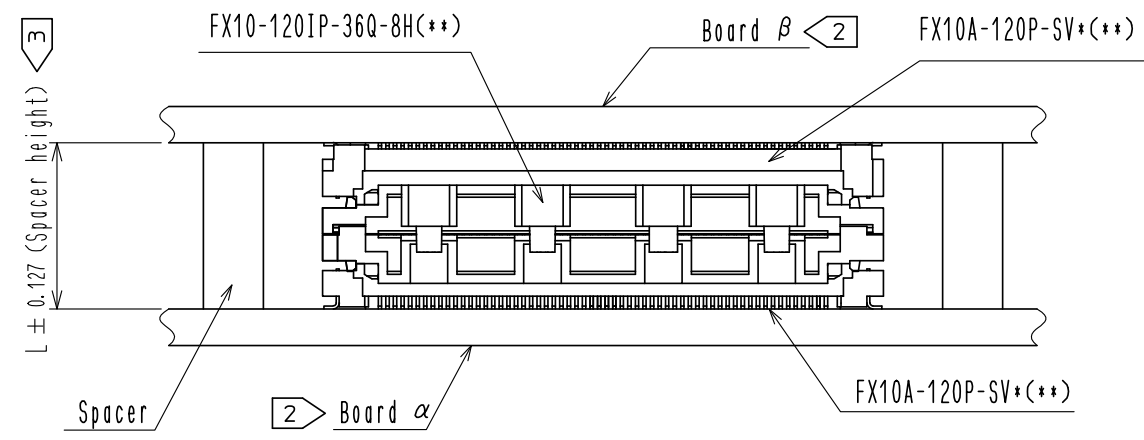
Table.1 Stacking height and connector combinations (1)

| Board distance<br>(Stacking height) | Header connector<br>of Board α | Interposer            | Header connector<br>of Board β | Recommended<br>spacer height(L) (3) |
|-------------------------------------|--------------------------------|-----------------------|--------------------------------|-------------------------------------|
| 8mm                                 | FX10A-120P-SV(**)              | FX10-120IP-36Q-8H(03) | FX10A-120P-SV(**)              | 8±0.127mm                           |
| 9mm                                 | FX10A-120P-SV1(**)             |                       | FX10A-120P-SV(**)              | 9±0.127mm                           |
| 10mm                                | FX10A-120P-SV1(**)             |                       | FX10A-120P-SV1(**)             | 10±0.127mm                          |

Table.2 Pin configuration of Interposer (4)

|                   |    |   |   |    |   |   |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-------------------|----|---|---|----|---|---|----|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Row A Pin No.     | 1  | 2 | 3 | 4  | 5 | 6 | 7  | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| Pin configuration | G1 | S | S | G1 | S | S | G1 | S | S | G1 | S  | S  | G1 | S  | S  | G1 | S  | S  | G1 | S  | S  | G1 | S  | S  | G1 | S  | S  | G1 | SE | SE | SE | SE | G2 | S  | S  | G2 | S  | S  | G2 | S  | S  | G2 | S  | S  | G2 | S  | S  | G2 | S  | S  | G2 | S  | S  | G2 |    |    |    |    |    |    |
| Row B Pin No.     | 1  | 2 | 3 | 4  | 5 | 6 | 7  | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| Pin configuration | G1 | S | S | G1 | S | S | G1 | S | S | G1 | S  | S  | G1 | S  | S  | G1 | S  | S  | G1 | S  | S  | G1 | S  | S  | G1 | S  | S  | G1 | SE | SE | SE | SE | G2 | S  | S  | G2 | S  | S  | G2 | S  | S  | G2 | S  | S  | G2 | S  | S  | G2 | S  | S  | G2 |    |    |    |    |    |    |    |    |    |

S: Signal for Differential SE: Signal for Single-ended G1: Common ground 1 G2: Common ground 2



- Note.
- (1) The header connectors are decided by board distance (stacking height). Connector combination is shown in Table 1.
  - (2) Fixed side (Black side) of interposer should be mated with header mounted on board α. Mating side (Gray side) should be mated with header mounted on board β.
  - (3) Spacers are required to support the PWB's and protect the SMT solder joints. Recommended spacer height is shown in Table 1.
  - (4) Pin configuration is shown in Table 2. This product consists of 36 Differential pairs, 8 Single-ended lines and 40 ground lines.
  - (5) Lot No. shall be marked on the indicated position.
  - (6) 50pcs of this product are packed in soft tray. See Fig.3 for details.

|                               |              |                          |            |                                            |                           |                      |                    |
|-------------------------------|--------------|--------------------------|------------|--------------------------------------------|---------------------------|----------------------|--------------------|
| 3                             | Copper Alloy | Ni1.5μm+Au0.76μm         | 6          | PS                                         | (Tray)                    |                      |                    |
| 2                             | LCP(Black)   | UL94V-0                  | 5          | Copper Alloy                               | Ni1μm                     |                      |                    |
| 1                             | LCP(Gray)    | UL94V-0                  | 4          | Copper Alloy                               | Ni1μm (1)                 |                      |                    |
| NO.                           | MATERIAL     | FINISH . REMARKS         | NO.        | MATERIAL                                   | FINISH . REMARKS          |                      |                    |
| UNITS<br>mm                   | ⊙            | SCALE<br>2 : 1           | COUNT<br>3 | DESCRIPTION OF REVISIONS<br>DIS-F-00002513 | DESIGNED<br>AS. MATSUZAWA | CHECKED<br>MK. EZAKI | DATE<br>17. 07. 14 |
| HRS HIROSE ELECTRIC CO., LTD. |              | APPROVED : TM. MATSUO    | 17. 07. 04 | DRAWING NO.<br>EDC-361675-03-00            |                           |                      |                    |
|                               |              | CHECKED : MK. EZAKI      | 17. 07. 04 | PART NO.<br>FX10-120IP-36Q-8H(03)          |                           |                      |                    |
|                               |              | DESIGNED : AS. MATSUZAWA | 17. 07. 04 | CODE NO.<br>CL608-0015-8-03                |                           |                      |                    |
|                               |              | DRAWN : XINGYU CHENG     | 17. 07. 04 | (1) 1/2                                    |                           |                      |                    |

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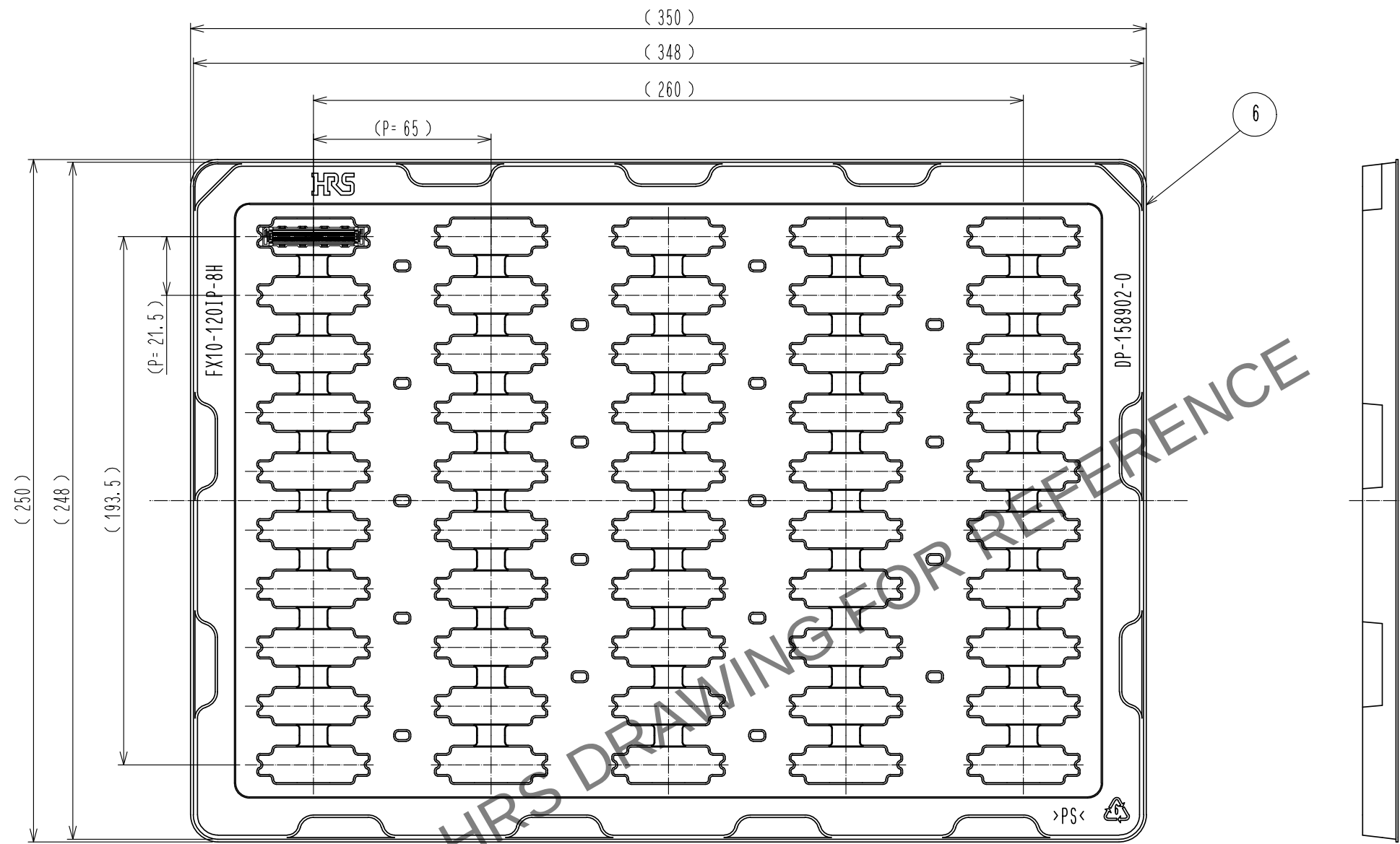


Fig.3 Drawing for packing (1:2) 6

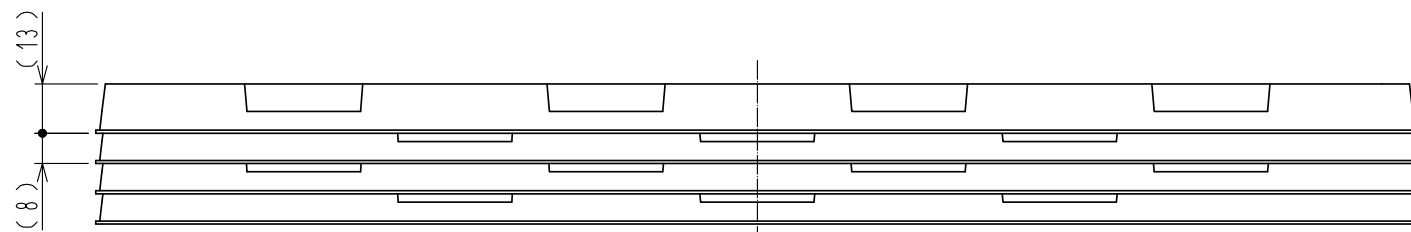


Fig.4 Stacked tray drawing (1:2)

|     |             |                       |     |     |
|-----|-------------|-----------------------|-----|-----|
| HRS | DRAWING NO. | EDC-361675-03-00      |     |     |
|     | PART NO.    | FX10-120IP-36Q-8H<03> |     |     |
|     | CODE NO.    | CL608-0015-8-03       | 1/2 | 2/2 |