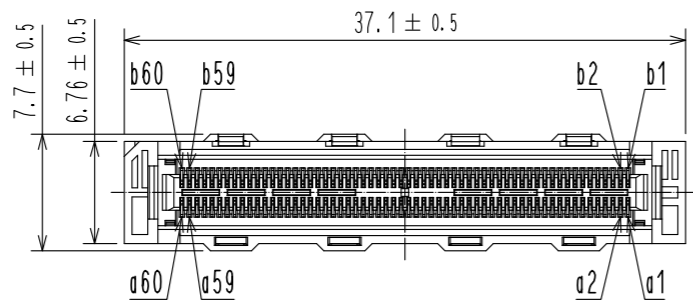


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Mating side (Gray)
 Fixed side (Black)
 [5] Lot No.

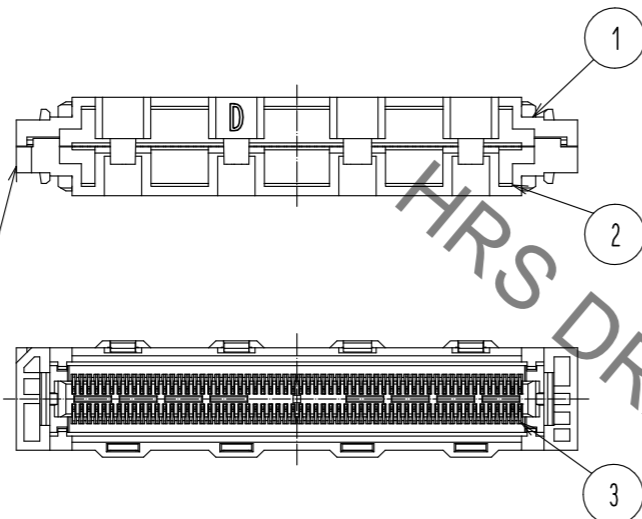


Table.1 Stacking height and connector combinations [1]

| Board distance (Stacking height) | Header connector of Board α | Interposer | Header connector of Board β | Recommended spacer height(L) [3] |
|----------------------------------|------------------------------------|-----------------------|-----------------------------------|----------------------------------|
| 8mm | FX10A-120P-SV(**) | FX10-120IP-28D-8H(O3) | FX10A-120P-SV(**) | 8 ± 0.127 mm |
| 9mm | FX10A-120P-SV1(**) | | FX10A-120P-SV(**) | 9 ± 0.127 mm |
| 10mm | FX10A-120P-SV1(**) | | FX10A-120P-SV1(**) | 10 ± 0.127 mm |

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 | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | SE | SE | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | 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 | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | S | G1 | SE | SE | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | S | G2 | 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 28 Differential pairs, 4 Single-ended lines and 60 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.

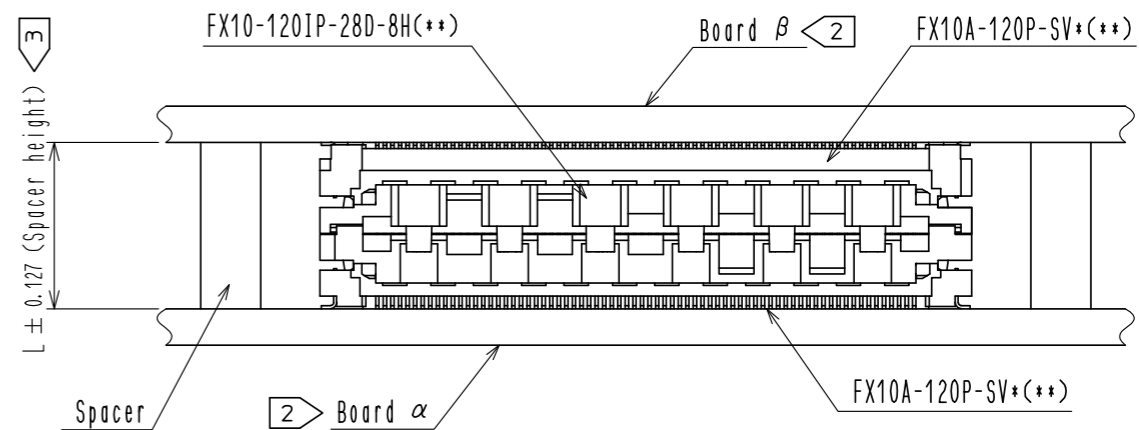


Fig.1 Recommended spacer height (Free)

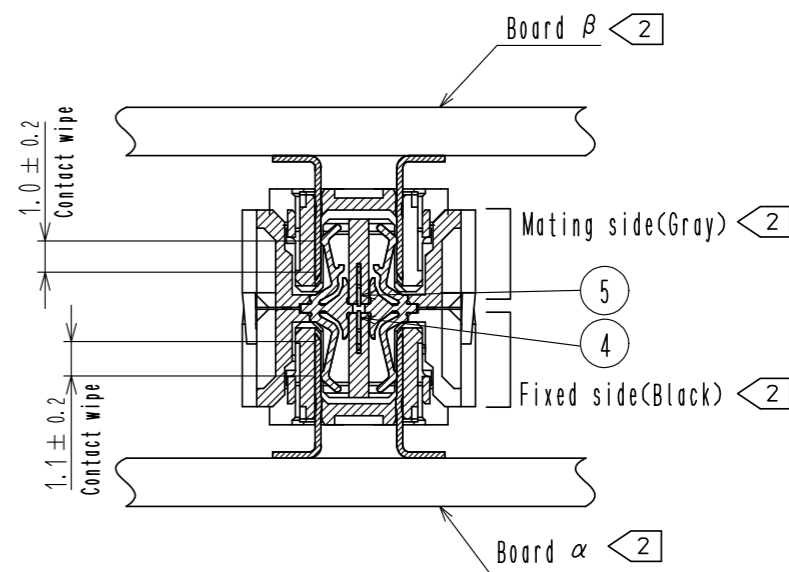


Fig.2 Mating cross section (Free)

| 3 | Copper Alloy | Ni1.5 μ m+Au0.76 μ m | 6 | PS | (Tray) | | | |
|------------|--------------|------------------------------|----------|--------------------------|------------------|--------------------------------|---------|------|
| 2 | LCP(Black) | UL94V-0 | 5 | Copper Alloy | Ni1 μ m | | | |
| 1 | LCP(Gray) | UL94V-0 | 4 | Copper Alloy | Ni1 μ m | | | |
| NO. | MATERIAL | FINISH . REMARKS | NO. | MATERIAL | FINISH . REMARKS | | | |
| UNITS | | SCALE | COUNT | DESCRIPTION OF REVISIONS | | DESIGNED | CHECKED | DATE |
| mm | | 2 : 1 | Δ | | | | | |
| HRS | | HIROSE ELECTRIC CO., LTD. | | APPROVED : TM. MATSUO | 17.07.21 | DRAWING NO. EDC-361673-03-00 | | |
| | | | | CHECKED : MK. EZAKI | 17.07.21 | PART NO. FX10-120IP-28D-8H(O3) | | |
| | | | | DESIGNED : AS. MATSUZAWA | 17.07.21 | CODE NO. CL608-0013-2-03 | | |
| | | | | DRAWN : XINGYU CHENG | 17.07.21 | Δ 1/2 | | |

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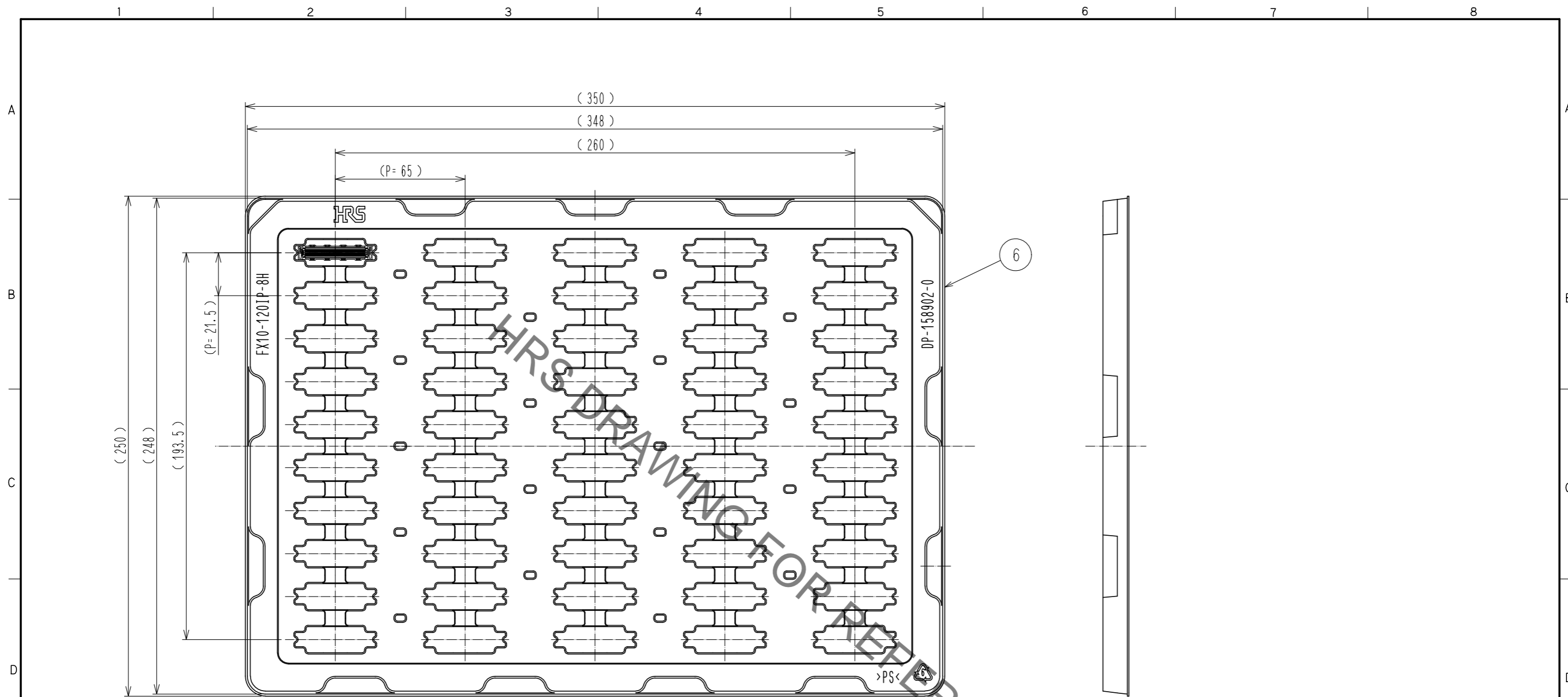


Fig.3 Drawing for packing (1:2) 

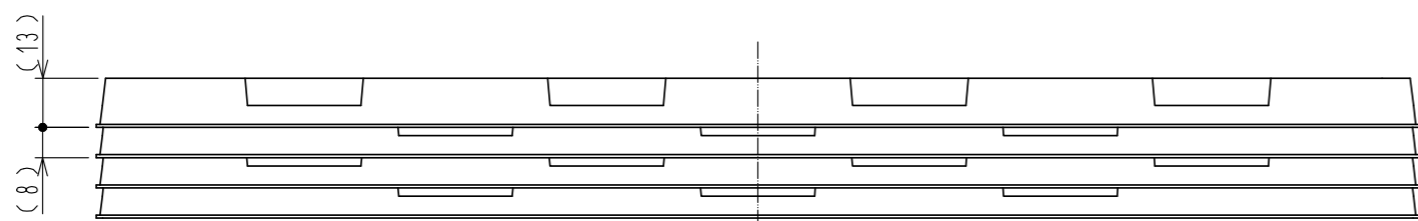




Fig.4 Stacked tray drawing (1:2)

| | | |
|------------|-------------|---|
| HRS | DRAWING NO. | EDC-361673-03-00 |
| | PART NO. | FX10-120IP-28D-8H(C03) |
| | CODE NO. | CL608-0013-2-03   |