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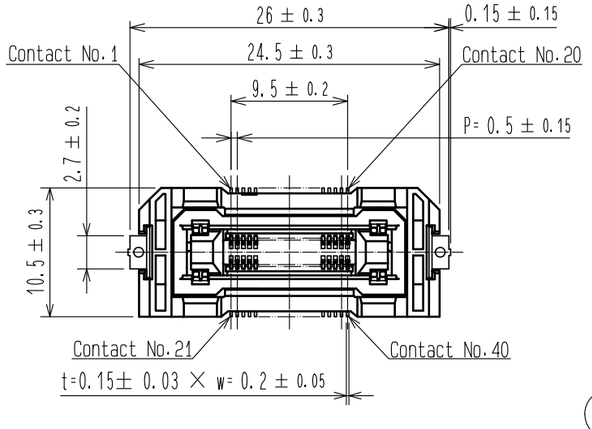
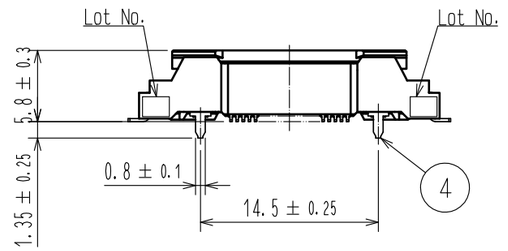
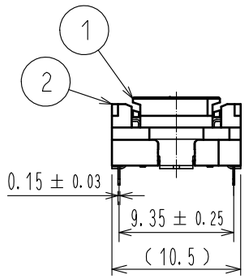
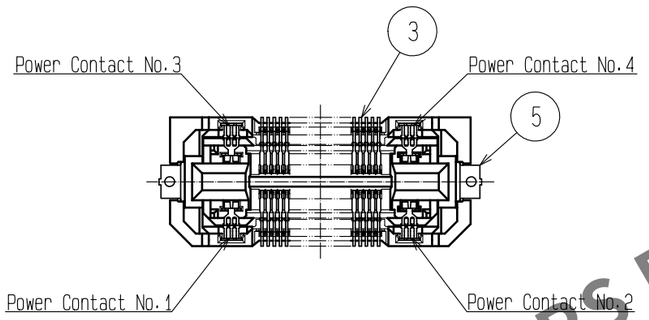
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

HRS DRAWING FOR REFERENCE

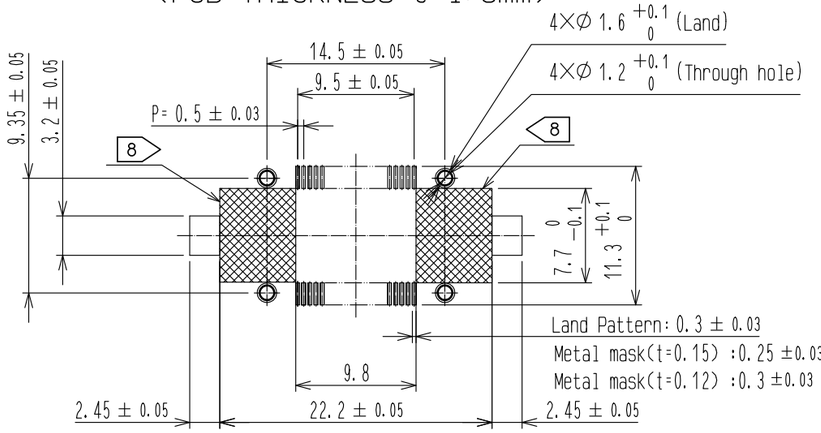


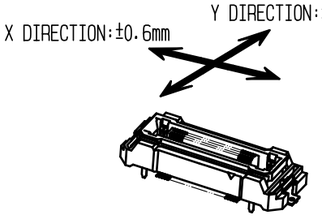



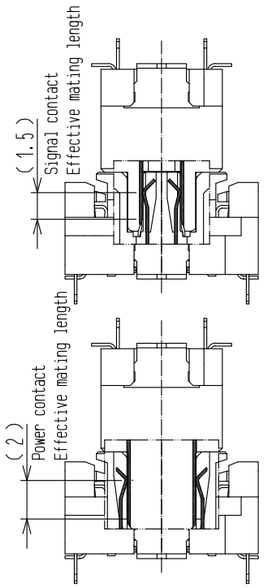

## RECOMMENDED LAND PATTERN DIMENSION OF PCB
(PCB THICKNESS: t=1.6mm)



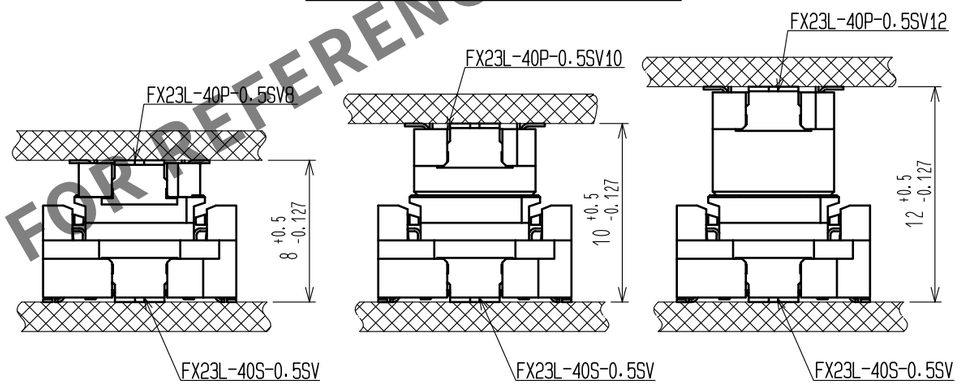

## 3 FLOATING RANGE



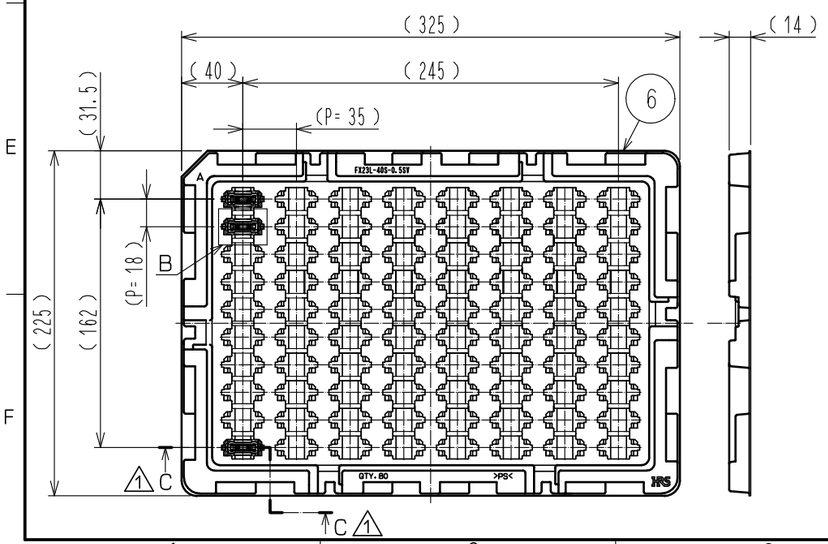

## 3 CROSS SECTION OF MATING
(No scale)

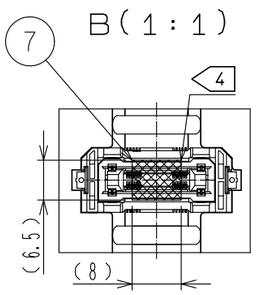


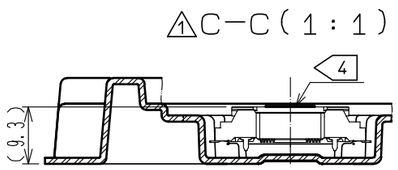

## 7 PCB DISTANCE (No scale)




## 2 DRAWING FOR PACKING (No scale)




Note
1. Lead CO-Planarity is 0.1mm MAX.
2. This is packaged in tray. (80pcs/tray)
3. Floating range of this connector is ±0.6mm MAX.
1. The maximum cycle time of the floating operation is in accordance with the mating cycle of the connector.
4. It shows the vacuum pickup area. Remove the mylar tape before mating connectors.
5. Blemish and hit mark can be occured through out the manufacturing process which doesn't affect quality level.
6. The dimensions in parentheses are for references.
7. Please use the connectors within the specified PCB distance.
8. ▩ area of inner SMT land requires pattern prohibition or resist treatment to prevent the pattern.

| NO. | MATERIAL | FINISH , REMARKS | NO. | MATERIAL | FINISH , REMARKS |
|---|---|---|---|---|---|
| 3 | COPPER ALLOY | CONTACT AREA:GOLD 0.1μm | 7 | POLYIMIDE 2 | (TAPE FOR VACUUM PICKUP) |
| | | LEAD AREA:GOLD 0.03μm | 6 | POLYSTYRENE | (TRAY) |
| | | UNDER PLATING:NICKEL 1.3μm | 5 | BRASS | TIN-PLATING 1μm |
| 2 | POLYAMIDE | BLACK UL94V-0 | 4 | COPPER ALLOY | CONTACT AREA:GOLD 0.1μm |
| 1 | POLYAMIDE | BLACK UL94V-0 | | | LEAD AREA:TIN-PLATING 1μm |
| | | | | | UNDER PLATING:NICKEL 1.3μm |

| UNITS | SCALE | | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|---|---|---|---|---|---|---|---|
| mm | 2 : 1 | 3 | 1 | DIS-F-00004372 | TS.OONO | HT.YAMAGUCHI | 20190307 |

| | | | |
|---|---|---|---|
| HRS HIROSE ELECTRIC CO., LTD. | APPROVED : HS.OKAWA 20150224 | DRAWING NO. | EDC-358065-00-00 |
| | CHECKED : KN.SHIBUYA 20150224 | PART NO. | FX23L-40S-0.5SV |
| | DESIGNED : AH.EDASHIGE 20150224 | CODE NO. | CL573-2302-1-00 |
| | DRAWN : AH.EDASHIGE 20150224 | 3 | 1/1 |