

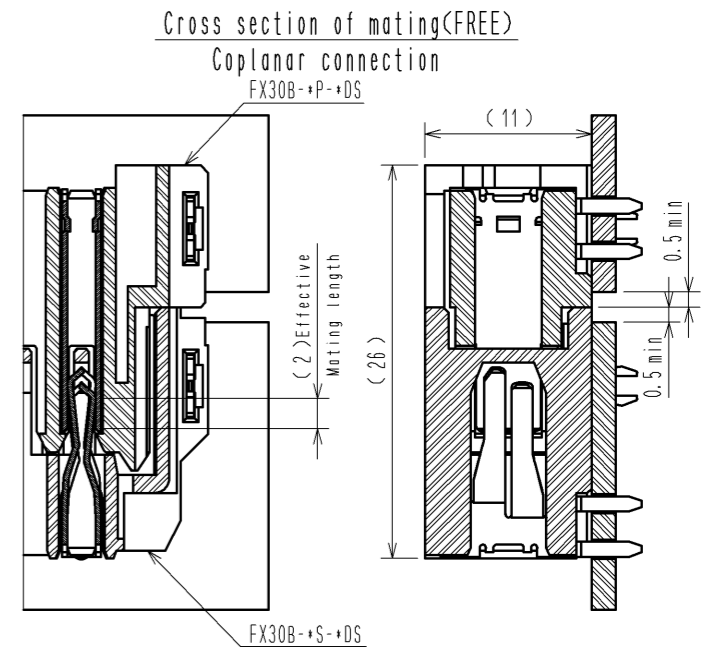
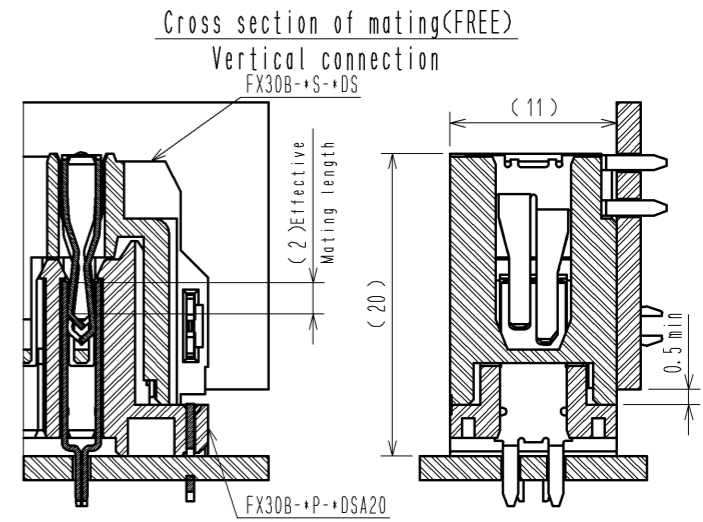
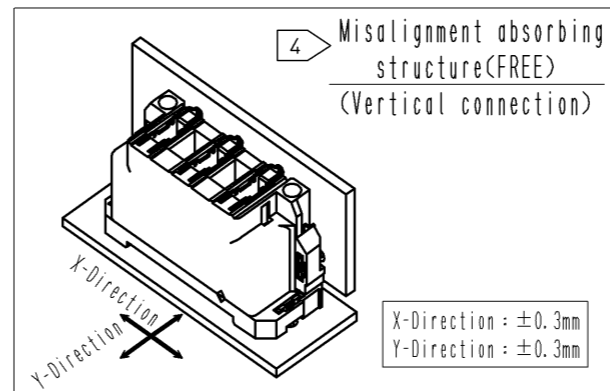
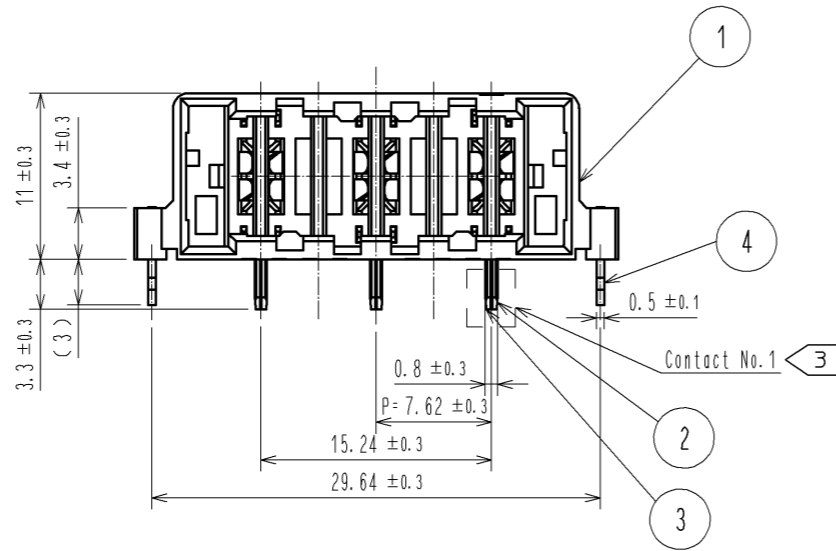
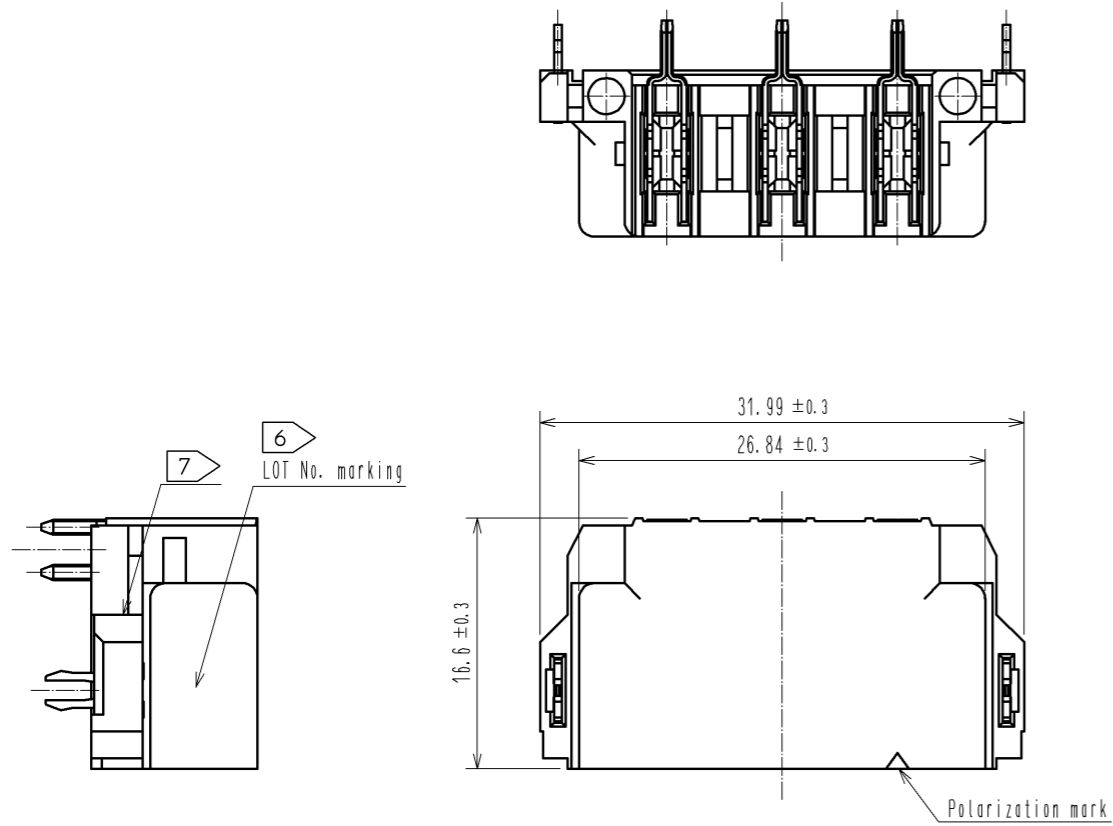


| APPLICABLE STANDARD | | | | | |
|--|--|---|---------------------------|--|---|
| RATING | Operating Temperature Range | -55 °C to 105 °C ⁽¹⁾ | Storage Temperature Range | -10 °C to 60 °C ⁽²⁾ | |
| | Voltage | 600 V AC/DC | Storage Humidity Range | 40 % to 70 % ⁽²⁾ | |
| | Current | 13A | Operating Humidity Range | Relative Humidity 85% max (Not dewed) | |
| SPECIFICATIONS | | | | | |
| ITEM | TEST METHOD | REQUIREMENTS | QT | AT | |
| CONSTRUCTION | | | | | |
| General Examination | Visually and by measuring instrument. | According to drawing. | × | × | |
| Marking | Confirmed visually. | | × | × | |
| ELECTRIC CHARACTERISTICS | | | | | |
| Contact Resistance | 10 mA(DC or 1000Hz) | 2 mΩ MAX. | × | — | |
| Insulation Resistance | 1000 V DC. | 1000 MΩ MIN. | × | — | |
| Voltage Proof | 1800 V AC for 1 min. | No flashover or breakdown. | × | — | |
| MECHANICAL CHARACTERISTICS | | | | | |
| Insertion and Withdrawal Forces | Measured by applicable connector. | Insertion Force: 15 N MAX. Withdrawal Force: 0.6 N MIN. | × | — | |
| Mechanical Operation | 100 times insertions and extractions. | ① Contact Resistance: 5 mΩ MAX. ② No damage, crack and looseness of parts. | × | — | |
| Vibration | Frequency 10 to 55 to 10Hz, approx 5min Single amplitude : 0.75 mm, 10 cycles for 3 axial directions. | ① No electrical discontinuity of 1 μs. ② No damage, crack and looseness of parts. | × | — | |
| Shock | 490 m/s ² , duration of pulse 11 ms, 3 times to both directions in 3 axial directions. | | | | |
| ENVIRONMENTAL CHARACTERISTICS | | | | | |
| Damp Heat (Steady State) | Exposed at 40±2 °C, 90 ~ 95 %, 96 ±4h. | ① Contact Resistance: 5mΩ MAX. ② Insulation Resistance: 1000 MΩ MIN. ③ No damage, crack and looseness of parts. | × | — | |
| Rapid Change of Temperature | Temperature -55 → +105 °C Time 30 → 30 min. under 5 cycles. (Relocation time to chamber: within 2~3 MIN) | | | | |
| Dry heat | Exposed at +105±2°C for 96±4h. | | | | |
| Cold | Exposed at -55±2°C for 96±4h. | | | | |
| Sulfur Dioxide | Exposed at 25±2°C, 75±5%RH, 25 PPM for 96h±4h. | ① Contact Resistance: 5mΩ MAX. ② No defect such as corrosion which impairs the function of connector. | × | — | |
| Resistance to Soldering Heat | Solder bath : Solder temperature 260±5°C for immersion, duration 10±1sec. Soldering irons : 380°C MAX. for 10 sec. | No deformation of case of excessive looseness of the terminal. | × | — | |
| Solderability | Soldered at solder temperature 240±3°C for immersion, duration 3 sec. | A new uniform coating of solder shall cover a minimum of 95 % of the surface being immersed. | × | — | |
| | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| | | | | | |
| REMARKS ⁽¹⁾ Include temperature rise caused by current-carrying. ⁽²⁾ "Storage" means a long-term storage state for the unused product before assembly to PCB. | | | APPROVED | HS. OKAWA | 14. 09. 12 |
| | | | CHECKED | KN. SHIBUYA | 14. 09. 11 |
| | | | DESIGNED | DK. AIMOTO | 14. 09. 11 |
| | | | DRAWN | DK. AIMOTO | 14. 09. 11 |
| Unless otherwise specified, refer to JIS-C-5402,IEC60512. | | | | | |
| Note | QT:Qualification Test AT:Assurance Test X:Applicable Test | | DRAWING NO. | | ELC4-359167-00 |
|  | SPECIFICATION SHEET | | PART NO. | FX30B-3S-7. 62DS | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL570-3605-0-00 |  1/1 |



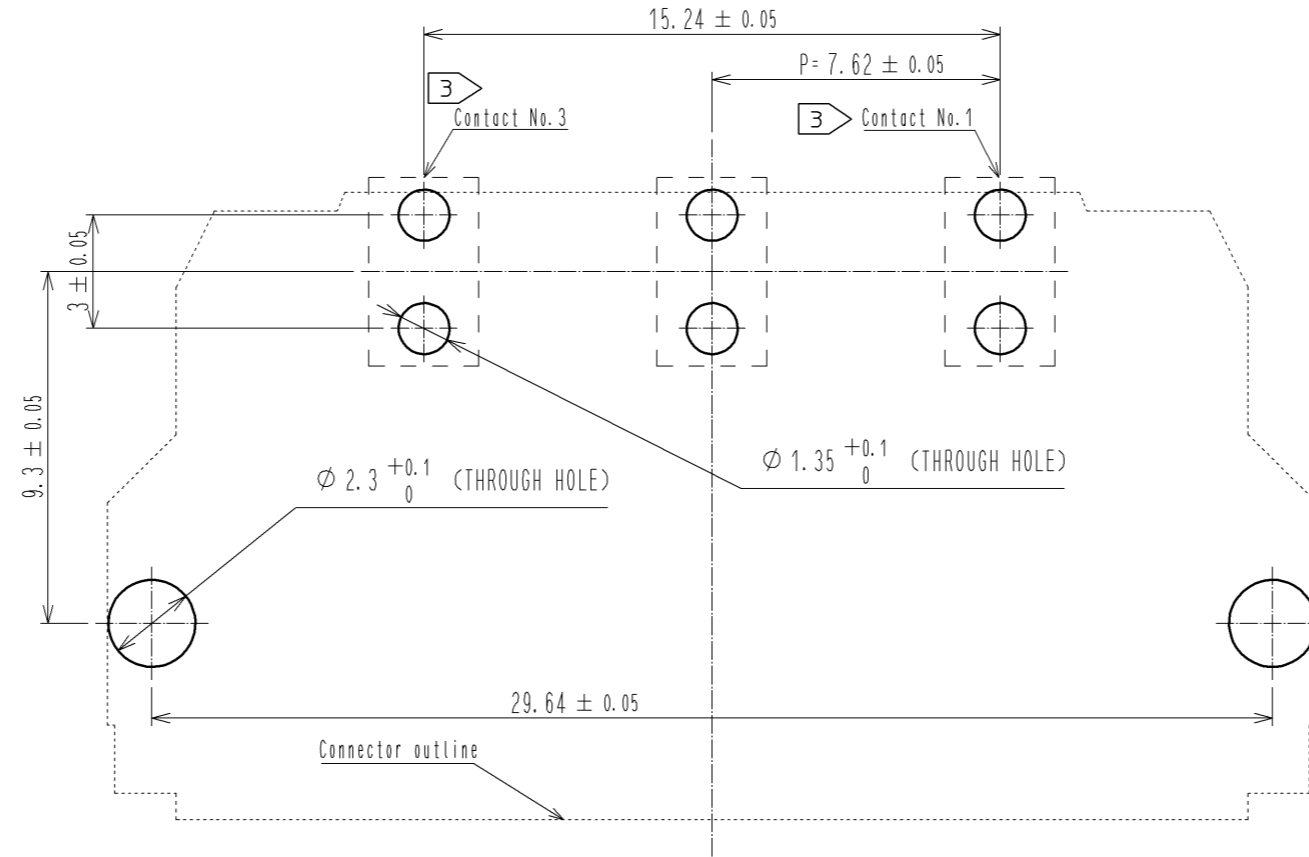
- NOTE
- 1 This product is packaged in tray. (25pcs/tray)
 - 2 Blemish and hit mark can be occurred through out the manufacturing process which doesn't affect quality level. Also, black spot could be observed on the surface of housing.
 - 3 For the contact NO., adjacent two pairs of leads placed back-to-back (4 leads in total) Compose one line.
 - 4 Misalignment absorbing range: ± 0.3mm max.
 - 5 The dimension in parentheses are for references.
 - 6 Lot NO. is indicated at either one of the position as shown.
 - 7 Possible short shot and/or burr at the indicated area does not affect the product quality.

| | | | | | |
|-----|--------------|--|-----|-----------------|--|
| 2 | Copper alloy | Contact area: Gold-plating 0.1 μm Lead area: Tin-plating 1.0 μm Under plating: Nickel 1.0 μm | 4 | Phosphor bronze | Tin-plating 3.0 μm Under plating: Nickel 1.0 μm |
| 1 | Polyamide | Black UL94V-0 | 3 | Copper alloy | Contact area: Gold-plating 0.1 μm Lead area: Tin-plating 1.0 μm Under plating: Nickel 1.0 μm |
| NO. | MATERIAL | FINISH . REMARKS | NO. | MATERIAL | FINISH . REMARKS |

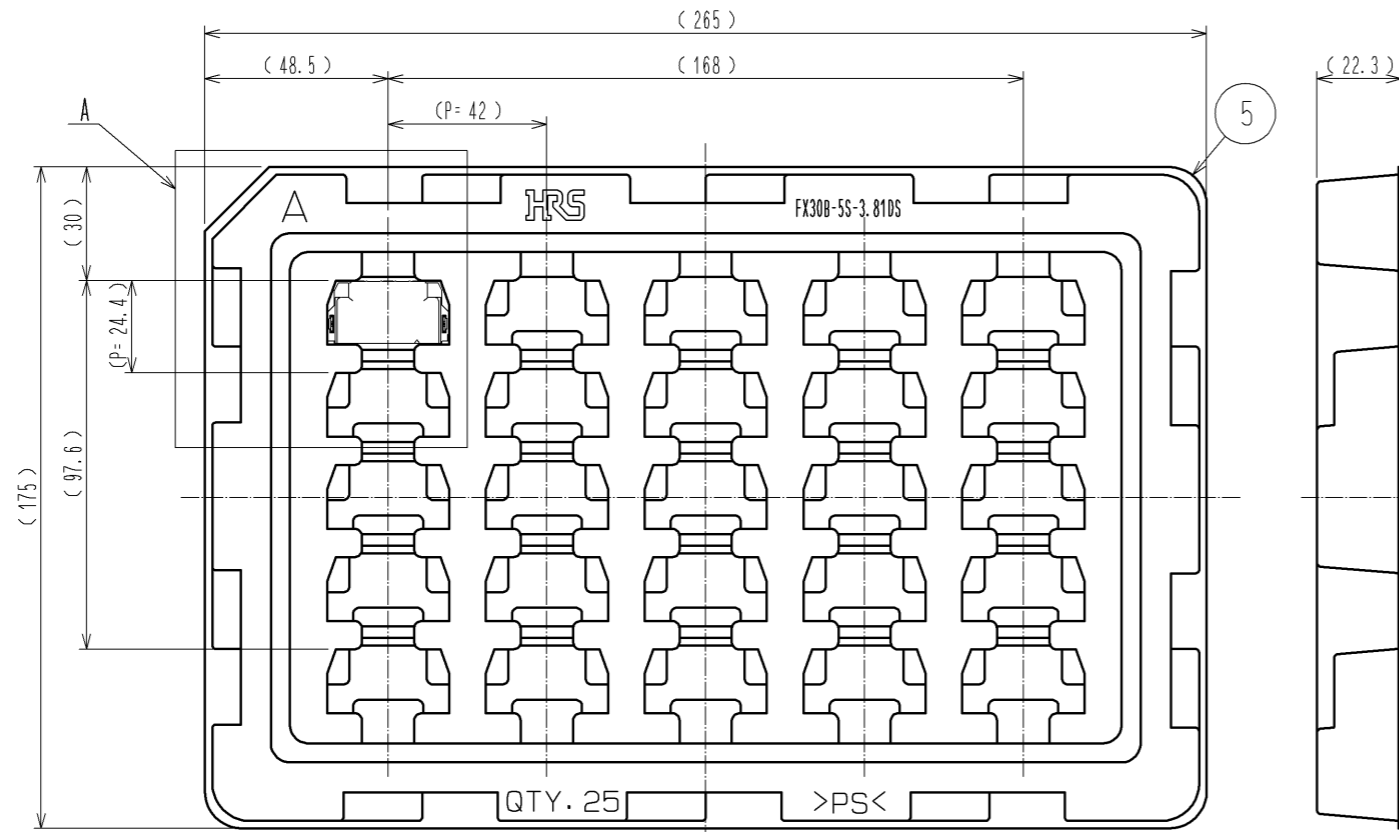
| | | | | | | | | | |
|-------|----|---------------------------|-------------|----------|--------------------------|--------------------------|----------------------------|---------|------|
| UNITS | mm | SCALE | 2 : 1 | COUNT | △ | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| HRS | | HIROSE ELECTRIC CO., LTD. | | APPROVED | HS. OKAWA | 14.09.12 | DRAWING NO. EDC3-359167-00 | | |
| | | CHECKED | KN. SHIBUYA | 14.09.12 | PART NO. FX30B-3S-7.62DS | | | | |
| | | DESIGNED | DK. AIMOTO | 14.09.12 | CODE NO. CL570-3605-0-00 | | | | |
| | | DRAWN | DK. AIMOTO | 14.09.12 | | | | 1/2 | |

1 2 3 4 5 6 7 8

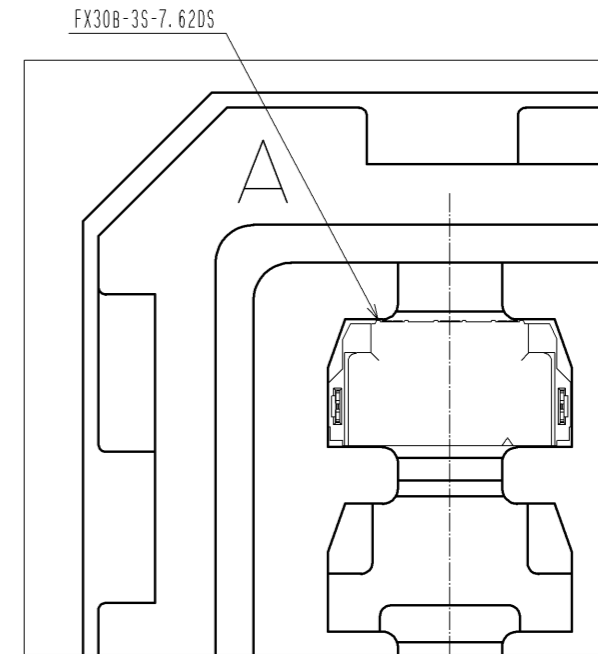
Recommended hole pattern dimension of PCB(5:1)
(Connector mounting side, PCB thickness: t=1.6mm)



1 Drawing for packaging(1:2)



A(1:1)



| | | | |
|------------|-------------|-----------------|--|
| HRS | DRAWING NO. | EDC3-359167-00 | |
| | PART NO. | FX30B-3S-7.62DS | |
| | CODE NO. | CL570-3605-0-00 | |
| | | | |

1 2 3 4 5 6 7 8