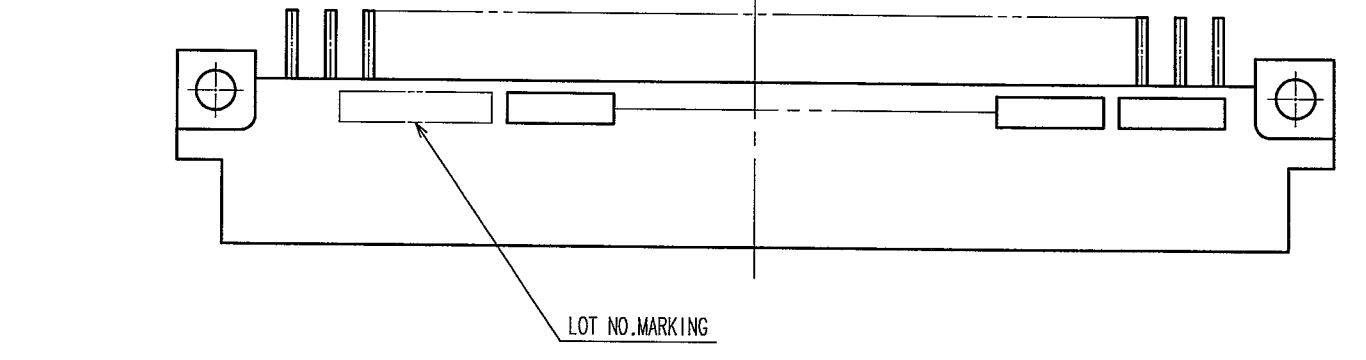
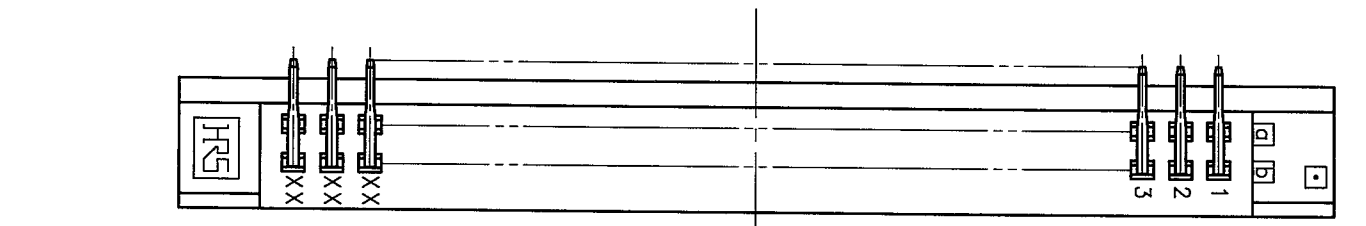
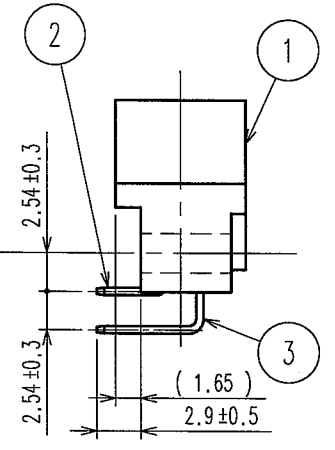
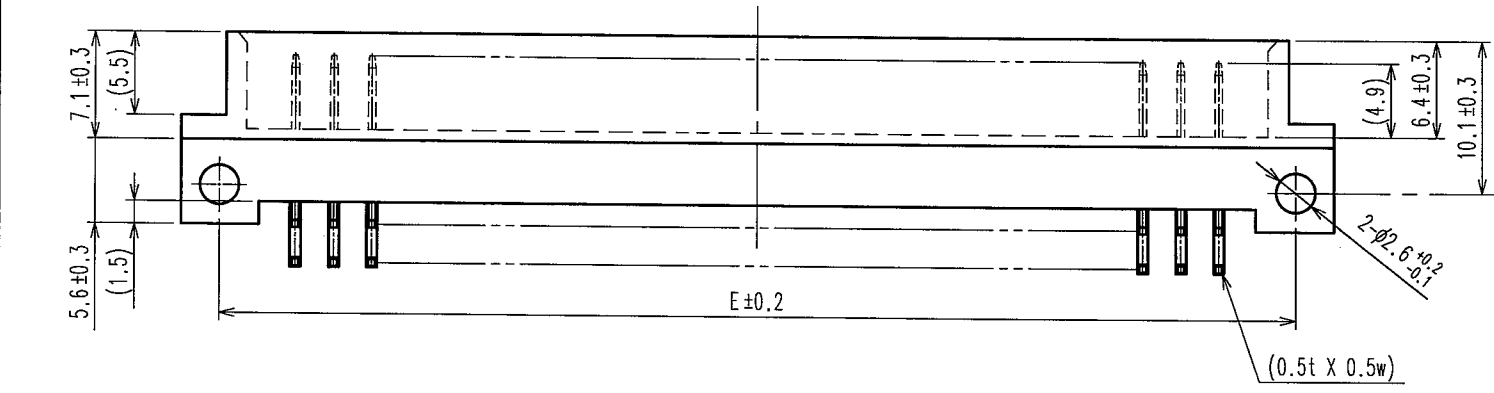
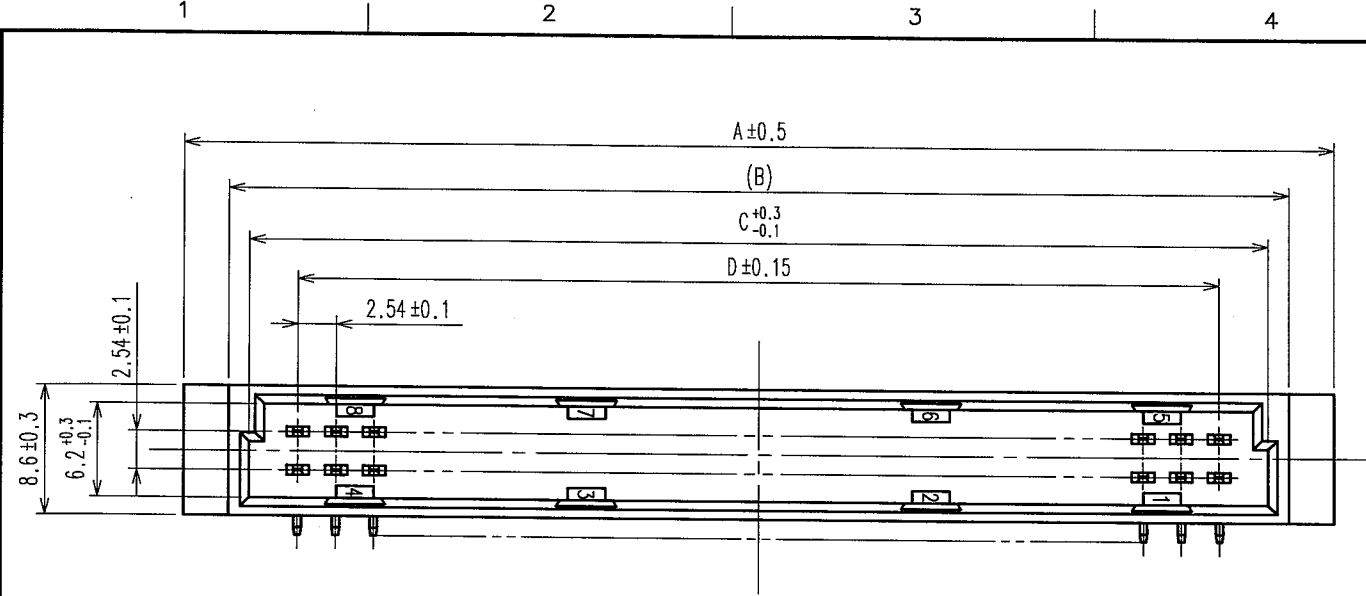


| APPLICABLE STANDARD  |   |                  |   |                        |          |
|--|---|------------------|---|------------------------|----------|
| RATING   | OPERATING TEMPERATURE RANGE   | -55 °C TO +85 °C | STORAGE TEMPERATURE RANGE   | -10 °C TO +60 °C       |          |
|  | VOLTAGE   | 300 V AC         | OPERATING HUMIDITY RANGE  | 85 % MAX               |          |
|  | CURRENT   | 2 A              | APPLICABLE CABLE  | (NON-CONDENSING)       |          |
| <b>SPECIFICATIONS</b>  |   |                  |   |                        |          |
| ITEM   | TEST METHOD   |                  | REQUIREMENTS  | QT                     | AT       |
| CONSTRUCTION   |   |                  |   |                        |          |
| GENERAL EXAMINATION  | VISUALLY AND BY MEASURING INSTRUMENT.   |                  | ACCORDING TO DRAWING.   | X                      | X        |
| MARKING  | CONFIRMED VISUALLY.   |                  |   | X                      | X        |
| ELECTRIC CHARACTERISTICS                                       |   |                  |   |                        |          |
| CONTACT RESISTANCE   | 100 mA (DC OR 1000 Hz).   |                  | 20 mΩ MAX.  | X                      | -        |
| INSULATION RESISTANCE  | 100 V DC.   |                  | 10 <sup>6</sup> MΩ MIN.   | X                      | -        |
| VOLTAGE PROOF  | 1000 V AC FOR 1 min.  |                  | NO FLASHOVER OR BREAKDOWN.  | X                      | -        |
| MECHANICAL CHARACTERISTICS                                     |   |                  |   |                        |          |
| MECHANICAL OPERATION   | 500 TIMES INSERTIONS AND EXTRACTIONS.   |                  | 1) CONTACT RESISTANCE: 20 mΩ MAX.<br>2) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.       | X                      | -        |
| VIBRATION  | FREQUENCY 10 TO 55 Hz,<br>SINGLE AMPLITUDE 0.75 mm, - m/s <sup>2</sup><br>FOR 2 h, IN 3 DIRECTIONS. |                  | 1) NO ELECTRICAL DISCONTINUITY OF 1 μs.<br>2) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | X                      | -        |
| SHOCK  | 490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms<br>FOR 3 TIME IN 3 DIRECTION.                        |                  |   | X                      | -        |
| ENVIRONMENTAL CHARACTERISTICS                                  |   |                  |   |                        |          |
| DAMP HEAT (STEADY STATE)                                       | EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.   |                  | 1) CONTACT RESISTANCE: 20 mΩ MAX.<br>2) INSULATION RESISTANCE:                          | X                      | -        |
| RAPID CHANGE OF TEMPERATURE                                    | TEMPERATURE -65→15 TO 35→+125→15 TO 35°C<br>TIME 30→ MAX5 → 30 →MAX5min.<br>UNDER 5 CYCLES.         |                  | 10 <sup>6</sup> MΩ MIN.<br>3) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.                 | X                      | -        |
| CORROSION SALT MIST  | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.   |                  | 1) CONTACT RESISTANCE: 20 mΩ MAX.<br>2) NO HEAVY CORROSION.                             | X                      | -        |
|  |   |                  |   |                        |          |
| COUNT  | DESCRIPTION OF REVISIONS  |                  | DESIGNED  | CHECKED                | DATE     |
| △  |   |                  |   |                        |          |
| REMARK   |   |                  | APPROVED  | KI. AKIYAMA            | 05.08.30 |
|  |   |                  | CHECKED   | SI. TOMIOKA            | 05.08.30 |
|  |   |                  | DESIGNED  | HT. SUGIMURA           | 05.08.29 |
|  |   |                  | DRAWN   | HM. SAITO              | 05.08.29 |
| Unless otherwise specified, refer to MIL-STD-1344.             |   |                  |   |                        |          |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test |   |                  | DRAWING NO.   | ELC4-154140-01         |          |
| <b>HRS</b>   | SPECIFICATION SHEET   |                  | PART NO.  | PCN10-**P-2. 54DS (72) |          |
|  | HIROSE ELECTRIC CO., LTD.   |                  | CODE NO.  |                        |          |
|  |   |                  |   | △                      | 1/1      |

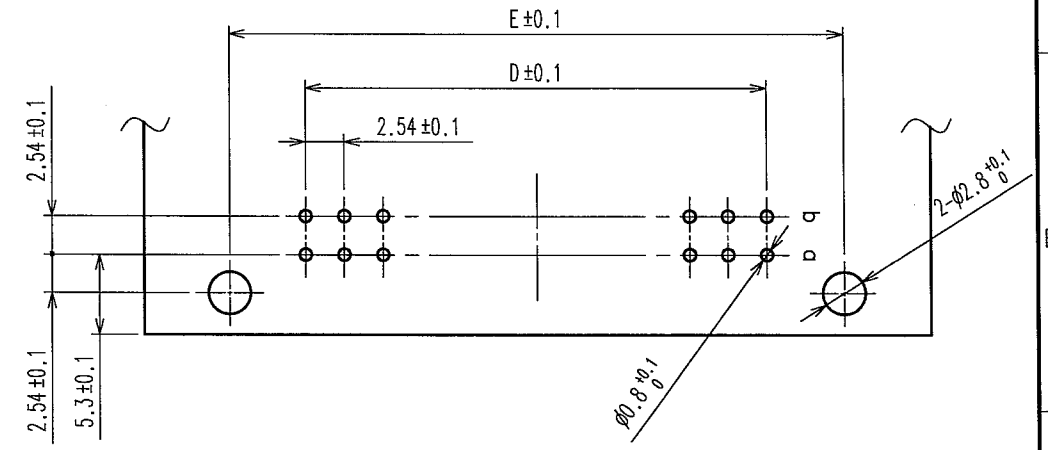
2013/03/09 02:32:52 ctanke

DRAWING FOR REFERENCE: This is subject to change without notice



| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|-------|--------------------------|----|------|------|-------|--------------------------|----|------|------|
| △     |                          |    |      |      | △     |                          |    |      |      |
| △     |                          |    |      |      | △     |                          |    |      |      |
| △     |                          |    |      |      | △     |                          |    |      |      |

RECOMMENDED P.C.B HOLE PATTERN(t=1.6±0.1)



| HRS No.       | PART NO.              | NUMBER OF CONTACT | A      | B      | C      | D      | E      |
|---------------|-----------------------|-------------------|--------|--------|--------|--------|--------|
| 583-0230-9-72 | PCN10-16P-2.54DS(72)  | 16                | 33.04  | 27.04  | 24.39  | 17.78  | 27.94  |
| 583-0077-3-72 | PCN10-20P-2.54DS(72)  | 20                | 38.12  | 32.12  | 29.47  | 22.86  | 33.02  |
| 583-0015-6-72 | PCN10-32P-2.54DS(72)  | 32                | 53.36  | 47.36  | 44.71  | 38.10  | 48.26  |
| 583-0038-1-72 | PCN10-44P-2.54DS(72)  | 44                | 68.60  | 62.60  | 59.95  | 53.34  | 63.50  |
| 583-0016-9-72 | PCN10-50P-2.54DS(72)  | 50                | 76.22  | 70.22  | 67.57  | 60.96  | 71.12  |
| 583-0017-1-72 | PCN10-64P-2.54DS(72)  | 64                | 94.00  | 88.00  | 85.35  | 78.74  | 88.90  |
| 583-0018-4-72 | PCN10-90P-2.54DS(72)  | 90                | 127.02 | 121.02 | 118.37 | 111.76 | 121.92 |
| 583-0113-5-72 | PCN10-100P-2.54DS(72) | 100               | 139.72 | 133.72 | 131.07 | 124.46 | 134.62 |

NOTE 1. AS FOR AUG, 2005.  
2. THE DIMENSION IN PARENTHESIS IS FOR REFERENCE.

|     |          |                                |
|-----|----------|--------------------------------|
| 2,3 | BRASS    | CONTACT AREA: Ni2.5μm+ Au0.2μm |
| 1   | PBT      | MOUNTING AREA: Ni2.5μm+ Sn2μm  |
| NO. | MATERIAL | FINISH, REMARKS                |

|                      |                               |                                   |   |  |          |
|----------------------|-------------------------------|-----------------------------------|---|--|----------|
| CODE NO. (OLD)<br>CL | DRAWN<br>M. OGAWA<br>05.08.29 | DESIGNED<br>H. SAITOU<br>05.08.29 | CHECKED<br><i>S. Tanaka</i><br>05.08.30 | APPROVED<br><i>K. Hayama</i><br>05.08.30 | RELEASED |
| SCALE<br>2 : 1       | DRAWING NO.<br>EDC3-154140-01 |                                   | PART NO.<br>PCN10-**-P-2.54DS(72)       |  |          |
| UNITS<br>mm          | HRS HIROSE ELECTRIC CO., LTD. |                                   | CODE NO.<br>CL583                       |  | 1/1      |

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