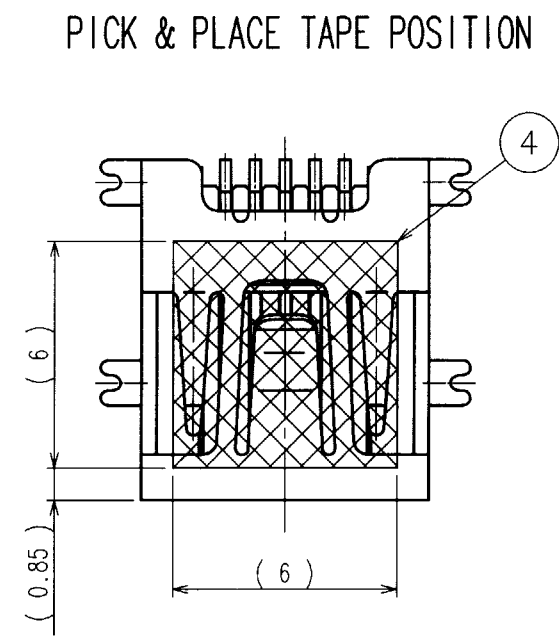
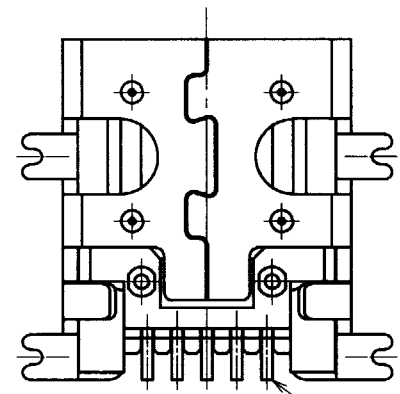
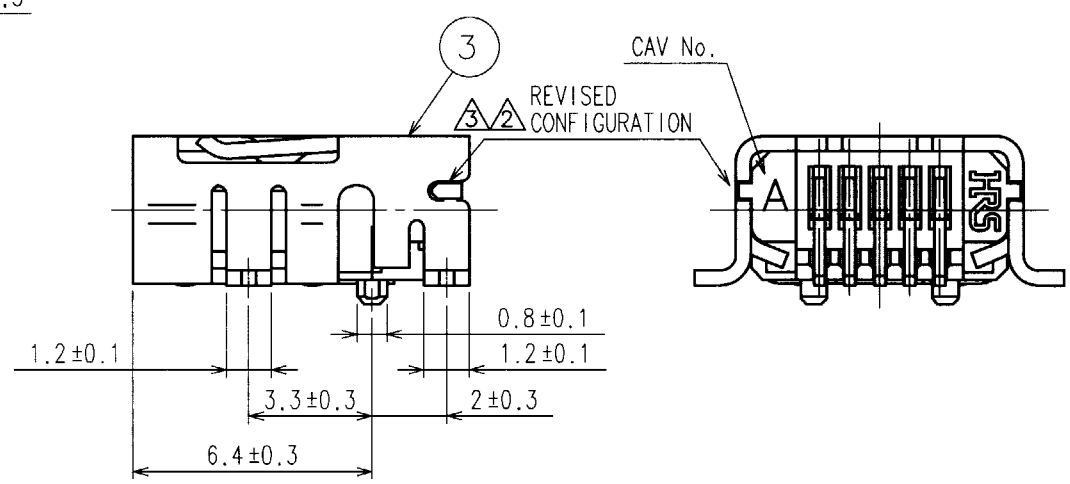
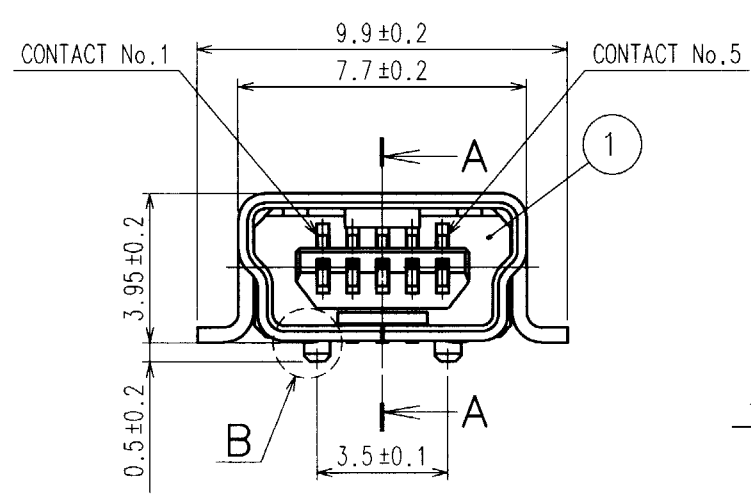
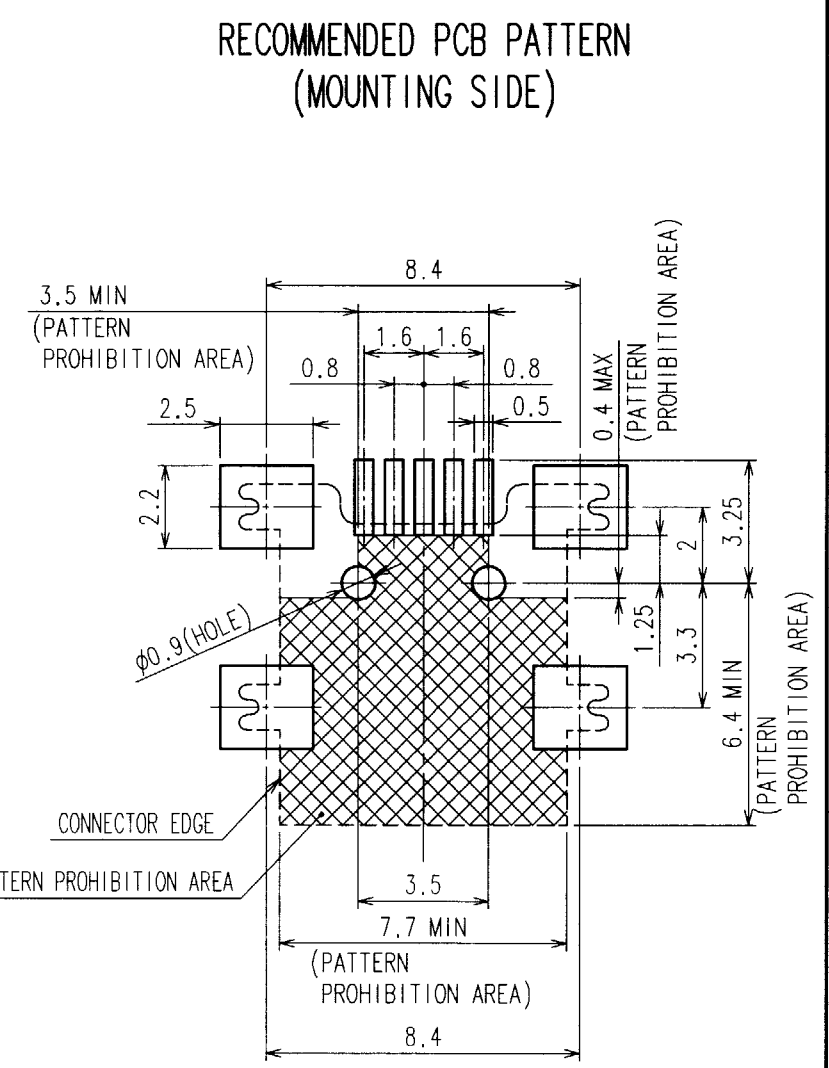
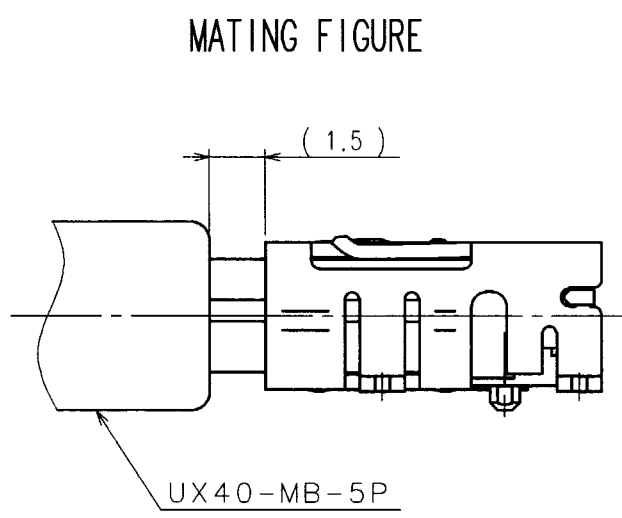
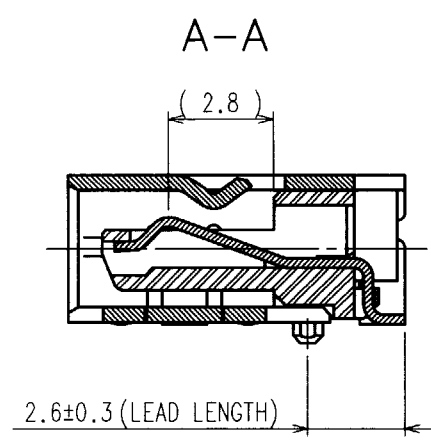
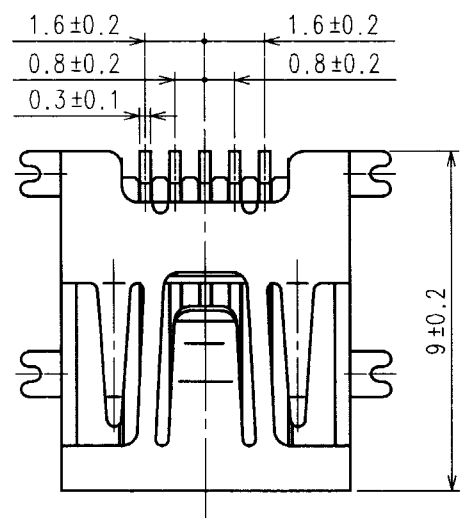


| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|-------|--------------------------|----|------|------|-------|--------------------------|----|------|------|
| △     |                          |    |      |      | △     |                 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

|                            |                             |               |                           |               |
|----------------------------|-----------------------------|---------------|---------------------------|---------------|
| <b>APPLICABLE STANDARD</b> |                             |               |                           |               |
| RATING                     | OPERATING TEMPERATURE RANGE | -30°C TO 75°C | STORAGE TEMPERATURE RANGE | -40°C TO 85°C |
|                            | VOLTAGE                     | 5V AC         | OPERATING HUMIDITY RANGE  | — % TO — %    |
|                            | CURRENT                     | 1A            | APPLICABLE CABLE          | —             |

| SPECIFICATIONS                                                 |                                                                                           |                                                                                                                |          |                      |          |          |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------|----------------------|----------|----------|
| ITEM                                                           | TEST METHOD                                                                               | REQUIREMENTS                                                                                                   | QT       | AT                   |          |          |
| <b>CONSTRUCTION</b>                                            |                                                                                           |                                                                                                                |          |                      |          |          |
| GENERAL EXAMINATION                                            | VISUALLY AND BY MEASURING INSTRUMENT.                                                     | ACCORDING TO DRAWING.                                                                                          | ○        | ○                    |          |          |
| MARKING                                                        | CONFIRMED VISUALLY.                                                                       |                                                                                                                | ○        | ○                    |          |          |
| <b>ELECTRIC CHARACTERISTICS</b>                                |                                                                                           |                                                                                                                |          |                      |          |          |
| CONTACT RESISTANCE                                             | 100 mA (DC OR 1000 Hz).                                                                   | 50 mΩ MAX.                                                                                                     | ○        | ○                    |          |          |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.                     | 20 mV MAX, 100 mA(DC OR 1000 Hz).                                                         |                                                                                                                | ○        | —                    |          |          |
| INSULATION RESISTANCE                                          | 100 V DC                                                                                  | 100 MΩ MIN.                                                                                                    | ○        | ○                    |          |          |
| VOLTAGE PROOF                                                  | 100 V AC FOR 1min.                                                                        | NO FLASHOVER OR BREAKDOWN                                                                                      | ○        | ○                    |          |          |
| CAPASITANCE                                                    | MEASURE ADJACENT TWO CONTACTS AT 1000±10Hz AC VOLTAGE.                                    | 2 pF MAX                                                                                                       | ○        | —                    |          |          |
| <b>MECHANICAL CHARACTERISTICS</b>                              |                                                                                           |                                                                                                                |          |                      |          |          |
| INSERTION AND WITHDRAWAL FORCES                                | MEASURED BY APPLICABLE CONNECTOR.                                                         | INSERTION FORCE 35 N MAX.<br>EXTRACTION FORCE 7 N MIN.                                                         | ○        | —                    |          |          |
| MECHANICAL OPERATION                                           | 5000 TIMES INSERTIONS AND EXTRACTIONS.                                                    | ① CONTACT RESISTANCE: 70 mΩ MAX.<br>② EXTRACTION FORCE 3 N MIN.<br>③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | ○        | —                    |          |          |
| VIBRATION                                                      | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm AT 2 h, FOR 3 DIRECTIONS.                 | ① NO ELECTRICAL DISCONTINUITY OF 1 μs.<br>② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.                          | ○        | —                    |          |          |
| RANDOM VIBRATION                                               | FREQUENCY 50 TO 2000 Hz, AT 15 min, FOR 3 DIRECTIONS.                                     |                                                                                                                | ○        | —                    |          |          |
| SHOCK                                                          | 490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3TIMES FOR 6 DIRECTION. HALF SINE WAVE. |                                                                                                                | ○        | —                    |          |          |
| <b>ENVIRONMENTAL CHARACTERISTICS</b>                           |                                                                                           |                                                                                                                |          |                      |          |          |
| THERMAL SHOCK                                                  | TEMPERATURE -55→ 20~35→ 85→ 20~35 °C<br>TIME 30 → 2~3 → 30 → 2~3 min<br>UNDER 10 CYCLES.  | ① CONTACT RESISTANCE: 70 mΩ MAX.<br>② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.                                | ○        | —                    |          |          |
| HUMIDITY LIFE                                                  | TEMPERATURE -10~65 °C, HUMIDITY 90 TO 98 %, UNDER 7 CYCLES (168 h)                        | ① INSULATION RESISTANCE: 10 MΩ MIN.(AT DRY)<br>② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.                     | ○        | —                    |          |          |
| CORROSION SALT MIST                                            | EXPOSED IN 5% SALT WATER SPRAY FOR 48 h. (JIS C 5402)                                     | ① CONTACT RESISTANCE: 70 mΩ MAX.<br>② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.                                | ○        | —                    |          |          |
| SOLDERABILITY                                                  | SOLDERED AT TEMP.245°C FOR IN IMMERSION,DURATION,2~3 S.                                   | SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSED.                                             | ○        | —                    |          |          |
| REMARKS                                                        |                                                                                           | DRAWN                                                                                                          | DESIGNED | CHECKED              | APPROVED | RELEASED |
| Unless otherwise specified, refer to USB2.0 EIA364.            |                                                                                           | m. Kenjo                                                                                                       | m. Kenjo | J. Matsuyama         | S. Kato  |          |
| Note QT:Qualification Test AT:Assurance Test ○:Applicable Test |                                                                                           | 01.7.10                                                                                                        | 01.7.10  | 01.7.11              | 01.7.12  |          |
| <b>HRS HIROSE ELECTRIC CO., LTD.</b>                           |                                                                                           | <b>SPECIFICATION SHEET</b>                                                                                     |          | PART NO. UX60-MB-5ST |          |          |
| CODE NO.(OLD)                                                  | DRAWING NO                                                                                | CODE NO.                                                                                                       |          |                      |          | 1        |
|                                                                | ELC4-123209                                                                               | CL240-0001-9                                                                                                   |          |                      |          | 1        |

|   | COUNT | DESCRIPTION OF REVISIONS | BY  | CHKD | DATE     |   | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|---|-------|--------------------------|-----|------|----------|---|-------|--------------------------|----|------|------|
| ① | 1     | RE-E-08181               | M.K | A.S  | 01.10.02 | △ |       |                          |    |      | . .  |
| ② | 1     | RE-E-08187               | M.K | A.S  | 01.10.09 | △ |       |                          |    |      | . .  |
| ③ | 1     | RE-E-08373               | M.K | A.S  | 02.01.15 | △ |       |                          |    |      | . .  |

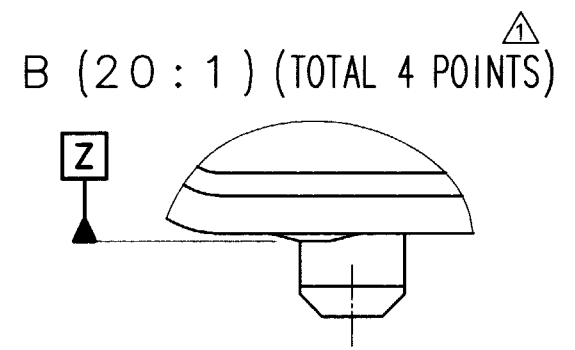


NOTES 1 INTERFACE DIMENSIONS CONFORM TO USB2.0 STANDARDS.  
2 ALL 9 LEADS (5 PINS + 4 METAL FITTINGS)  
SMT AND CO-PLANARITY SHALL BE AS FOLLOWS.

|                     |              |
|---------------------|--------------|
| SMT AGAINST DATUM Z | CO-PLANARITY |
| 0±0.075             | WITHIN 0.1   |

3 PER REEL:1000 PIECES

|                |              |                          |          |              |                 |
|----------------|--------------|--------------------------|----------|--------------|-----------------|
| 3              | COPPER ALLOY | TIN ALLOY PLATING        | 6        | PS           |                 |
| 2              | COPPER ALLOY | SELECTED GOLD PLATING    | 5        | PS           |                 |
| 1              | LCP          | BLACK UL94V-0            | 4        | POLYAMIDE    |                 |
| NO.            | MATERIAL     | FINISH, REMARKS          | NO.      | MATERIAL     | FINISH, REMARKS |
| CODE NO. (OLD) |              | DRAWN                    | DESIGNED | CHECKED      | APPROVED        |
|                |              | M. KENJO                 | M. KENJO | S. MATSUZAKI | S. KIKUTA       |
|                |              | 01.07.10                 | 01.07.10 | 01.07.11     | 01.07.12        |
| DRAWING NO.    |              | PART NO.                 |          |              |                 |
| EDC3-123209    |              | UX60-MB-5ST              |          |              |                 |
| SCALE          |              | CODE NO.                 |          |              |                 |
| 5 : 1          |              | CL240-0001-9             |          |              |                 |
| UNITS          |              | 1/2                      |          |              |                 |
| mm             |              |                          |          |              |                 |
| HRS            |              | HIROSE ELECTRIC CO., LTD |          |              |                 |



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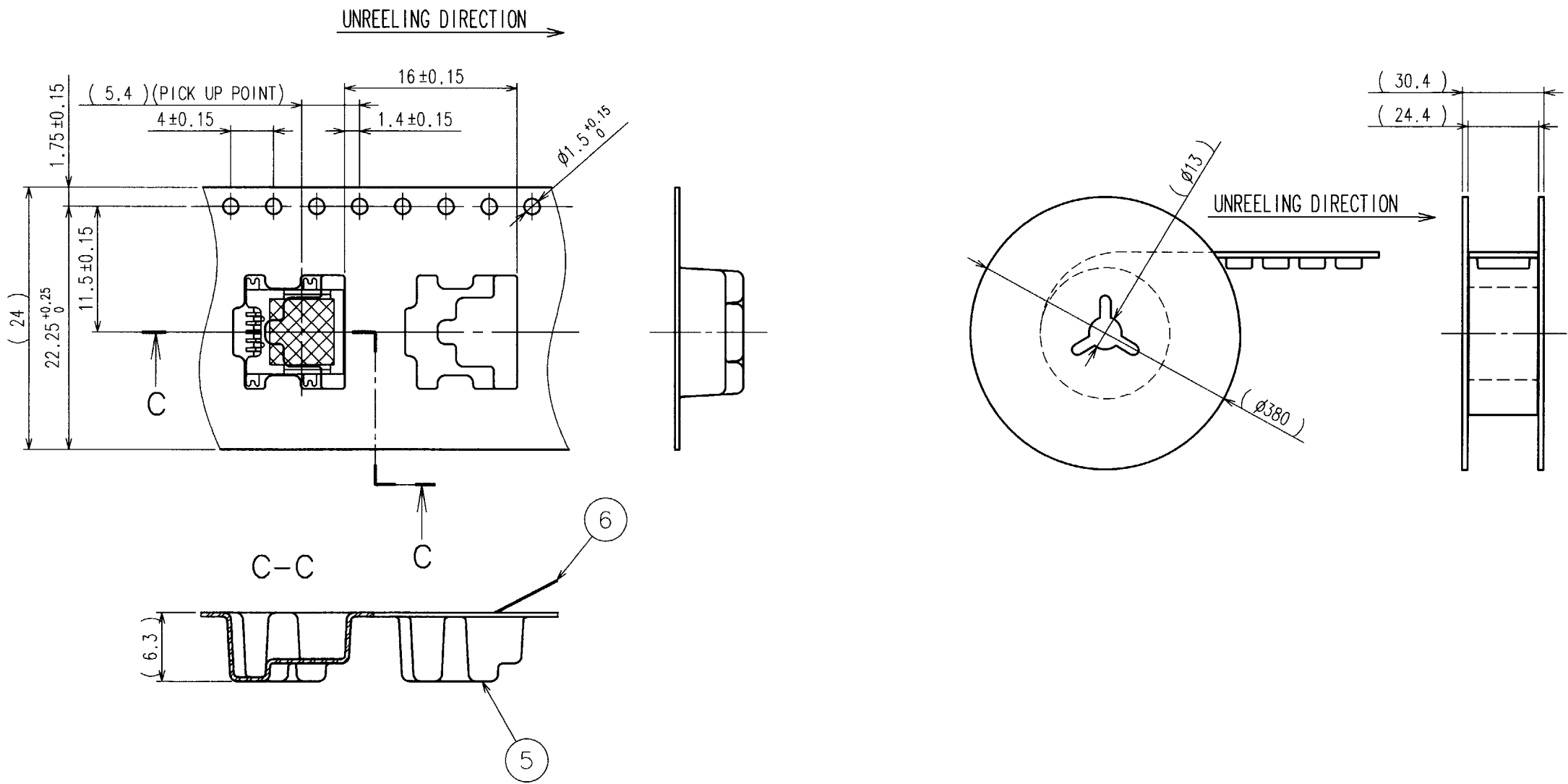
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| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|-------|--------------------------|----|------|------|-------|--------------------------|----|------|------|
| △     |                  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

A  
B  
C  
D  
E  
F

DRAWING FOR PACKING



|                |                                 |                          |          |          |          |
|----------------|---------------------------------|--------------------------|----------|----------|----------|
| CODE NO. (OLD) | DRAWN                           | DESIGNED                 | CHECKED  | APPROVED | RELEASED |
|                | M. Kenjo                        | M. Kenjo                 | M. Kenjo | J. Kenjo | ..       |
|                | 01.7.10                         | 01.7.10                  | 01.7.11  | 01.7.12  | ..       |
| SCALE<br>FREE  | DRAWING NO.<br>EDC3-123209      | PART NO.<br>UX60-MB-5ST  |          |          |          |
| UNITS<br>mm    | HRS<br>HIROSE ELECTRIC CO., LTD | CODE NO.<br>CL240-0001-9 |          |          | 2/2      |

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