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

| COUNT   | DESCRIPTION OF REVISIONS  | BY  | CHKD | DATE                   | COUNT  | DESCRIPTION OF REVISIONS   | BY                             | CHKD                    | DATE |
|---|---|---|------|------------------------|--|----------------------------|--------------------------------|-------------------------|------|
| △   |   |   |      |                        | △  |                            |                                |                         |      |
| △   |   |   |      |                        | △  |                            |                                |                         |      |
| <b>APPLICABLE STANDARD</b>  |   |   |      |                        |  |                            |                                |                         |      |
| RATING  | OPERATING TEMPERATURE RANGE   | -40°C TO +90°C(90%RH MAX.)  |      |                        | STORAGE TEMPERATURE RANGE                          | -20°C TO +70°C(90%RH MAX.) |                                |                         |      |
|   | POWER   | -W  |      |                        | CHARACTERISTIC IMPEDANCE                           | 50Ω (0 TO 6GHz)            |                                |                         |      |
|   | PECULIARITY   | ---   |      |                        | APPLICABLE CABLE                                   | ---                        |                                |                         |      |
| <b>SPECIFICATIONS</b>   |   |   |      |                        |  |                            |                                |                         |      |
| ITEM  |   | TEST METHOD   |      |                        | REQUIREMENTS                                       |                            |                                | QT                      | AT   |
| <b>CONSTRUCTION</b>   |   |   |      |                        |  |                            |                                |                         |      |
| GENERAL EXAMINATION   |   | VISUALLY AND BY MEASURING INSTRUMENT.   |      |                        | ACCORDING TO DRAWING.                              |                            |                                | X                       | X    |
| MARKING   |   | CONFIRMED VISUALLY.   |      |                        |  |                            |                                | -                       | -    |
| <b>ELECTRIC CHARACTERISTICS</b>   |   |   |      |                        |  |                            |                                |                         |      |
| CONTACT RESISTANCE  | 10 mA MAX (DC OR 1000 Hz).  | CENTER CONTACT  |      |                        | INITIAL : 20 mΩ MAX.<br>AFTER TESTING : 40 mΩ MAX. |                            |                                | X                       | -    |
|   |   | OUTER CONTACT   |      |                        | INITIAL : 20 mΩ MAX.<br>AFTER TESTING : 40 mΩ MAX. |                            |                                | X                       | -    |
| INSULATION RESISTANCE   | 100V DC.  | INITIAL : 500 MΩ MIN.<br>AFTER TESTING : 100 MΩ MIN.  |      |                        |  |                            |                                | X                       | -    |
| VOLTAGE PROOF   | 200V AC FOR 1 min. CURRENT LEAKAGE 2mA MAX.   | NO FLASHOVER OR BREAKDOWN.  |      |                        |  |                            |                                | X                       | -    |
| VOLTAGE STANDING WAVE RATIO   | FREQUENCY 0.045 TO 3 GHz.   | VSWR 1.3 MAX.   |      |                        |  |                            |                                | X                       | -    |
|   | FREQUENCY 3 TO 6 GHz.   | VSWR 1.4 MAX.   |      |                        |  |                            |                                |                         |      |
|   | FREQUENCY 6 TO 8 GHz.   | VSWR 1.5 MAX.   |      |                        |  |                            |                                |                         |      |
| <b>MECHANICAL CHARACTERISTICS</b>   |   |   |      |                        |  |                            |                                |                         |      |
| INSERTION AND WITHDRAWAL FORCES   | MEASURED BY APPLICABLE CONNECTOR.   | INSERTION FORCE 30 N MAX.   |      |                        |  |                            |                                | -                       | -    |
|   |   | EXTRACTION FORCE INITIAL : 3 N MIN.   |      |                        |  |                            |                                | -                       | -    |
| MECHANICAL OPERATION  | 20 TIMES INSERTIONS AND EXTRACTIONS.  | 1) CONTACT RESISTANCE : 40 mΩ MAX.<br>(CENTER CONTACT and OUTER CONTACT)<br>2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. |      |                        |  |                            |                                | X                       | -    |
| VIBRATION   | FREQUENCY 10 TO 100 Hz<br>SINGLE AMPLITUDE 1.5 mm, 59 m/s²<br>AT 3 CYCLES FOR 3 DIRECTIONS. | 1) NO ELECTRICAL DISCONTINUITY OF 1μs.<br>2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.                                   |      |                        |  |                            |                                | X                       | -    |
| SHOCK   | 735 m/s² DIRECTIONS OF PULSE 11ms<br>AT 3 TIMES FOR 6 DIRECTIONS.                           |   |      |                        |  |                            |                                | X                       | -    |
| <b>ENVIRONMENTAL CHARACTERISTICS</b>  |   |   |      |                        |  |                            |                                |                         |      |
| DAMP HEAT   | EXPOSED AT 40±2°C, 90~95%<br>TOTAL 96 h.  | 1) INSULATION RESISTANCE : 100 MΩ MIN.<br>2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.                                   |      |                        |  |                            |                                | X                       | -    |
| RAPID CHANGE OF TEMPERATURE   | TEMPERATURE -40 → 5-35 → +90 → 5-35 °C<br>TIME 30 → 3 → 30 → 3 min<br>UNDER 5 CYCLES.       | 1) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.   |      |                        |  |                            |                                | X                       | -    |
| CORROSION SALT MIST   | EXPOSED IN 5±1% SALT WATER SPRAY FOR 48h.   | 1) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.   |      |                        |  |                            |                                | X                       | -    |
| REMARKS RoHS COMPLIANT  |   |   |      | DRAWN                  | DESIGNED   | CHECKED                    | APPROVED                       | RELEASED                |      |
|   |   |   |      | AHN<br>19.07.03<br>W.Y | AHN<br>19.07.03<br>W.Y                             | KIM<br>19.07.03<br>H.S     | KIM<br>19.07.03<br>H.S         | ENG<br>19.07.03<br>DEPT |      |
| The quantity of this product is 10000 connectors per reel.<br>Unless otherwise specified, refer to JIS C5402. |   |   |      |                        |  |                            |                                |                         |      |
| Note QT: Qualification Test AT: Assurance Test X: Applicable Test   |   |   |      |                        |  |                            |                                |                         |      |
| HIROSE KOREA CO.,LTD  |   |   |      | SPECIFICATION SHEETS   |  |                            | PART NO.<br>K.FL2-R-SMT-1(800) |                         |      |
| CODE(OLD)<br>CL   |   | DRAWING NO.<br>ELC4-632042-80   |      |                        | CODE NO.<br>CL 6345-0002-1-800                     |                            |                                | 1<br>1                  |      |