

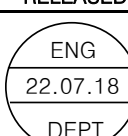
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| COUNT | DESCRIPTION OF REVISIONS | BY    | CHKD  | DATE     | COUNT | DESCRIPTION OF REVISIONS | BY    | CHKD  | DATE     |
|-------|--------------------------|-------|-------|----------|-------|--------------------------|-------|-------|----------|
| 3     | RE-5-1588                | N.J.W | A.B.H | 17.02.27 | 2     | RE-5-2373                | P.J.H | A.B.H | 20.04.24 |
| 9     | RE-5-1840                | K.C.J | A.B.H | 17.12.12 |       |                          |       |       |          |

| APPLICABLE STANDARD |                             |                      |                                     |
|---------------------|-----------------------------|----------------------|-------------------------------------|
| RATING              | OPERATING TEMPERATURE RANGE | -30°C ~ 85°C (NOTE1) | STORAGE TEMPERATURE RANGE           |
|                     | VOLTAGE                     | AC 10V               | OPERATING OR STORAGE HUMIDITY RANGE |
|                     | CURRENT                     | 0.5A                 |                                     |

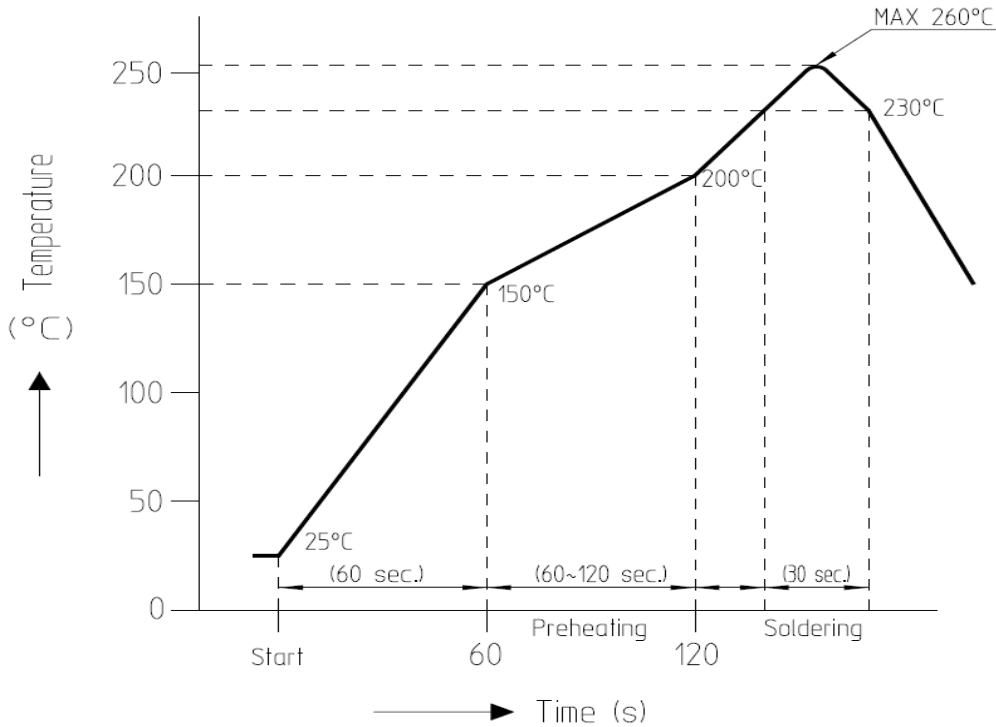
  

| SPECIFICATIONS   |  |  |                       |                              |   |
|--|--|--|-----------------------|------------------------------|---|
| ITEM   | TEST METHOD  | REQUIREMENTS   | QT                    | AT                           |   |
| <b>CONSTRUCTION</b>  |  |  |                       |                              |   |
| GENERAL EXAMINATION  | VISUALLY AND BY MEASURING INSTRUMENT   | ACCORDING TO DRAWING   | X                     | X                            |   |
| MARKING  |  |  | X                     | X                            |   |
| <b>ELECTRICAL CHARACTERISTICS</b>  |  |  |                       |                              |   |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD IEC60512-2-1   | OPEN VOLTAGE 20 mV AC MAX TEST CURRENT 1mA   | INITIALLY 100mΩ MAXIMUM (NOTE2)  | X                     | -                            |   |
| INSULATION RESISTANCE IEC60512-3-1   | MEASURE WITHIN 1 MINUTE AFTER APPLYING 500V DC   | INITIALLY 1000MΩ MINIMUM   | X                     | -                            |   |
| VOLTAGE PROOF IEC60512-4-1   | 500Vrms AC IS APPLIED FOR 1 MINUTE   | ① NO FLASHOVER OR BREAKDOWN<br>② CURRENT LEAKAGE 1mA MAXIMUM   | X                     | X                            |   |
| <b>MECHANICAL CHARACTERISTICS</b>  |  |  |                       |                              |   |
| MECHANICAL OPERATION [OFFICE ENVIRONMENT] EIA364B class 1.1  | 5,000 TIMES INSERTION AND WITHDRAWAL SHALL BE MADE AT THE CYCLE RATE LESS THAN 10 CYCLES PER 1MINUTE<br><br>NOTE: AFTER EACH 10 CYCLES STOP THE INSERTION AND REST THE CONNECTOR FOR 5 TO 10 MINUTES.<br><br>CARD SURFACE SHALL BE CLEANED BY AIR BLOW:<br>AT EACH 100 CYCLES INTERVAL(10 TIMES) FROM START TO 1,000 CYCLES.<br><br>AT EACH 1,000 CYCLES INTERVAL(4 TIMES) FROM 1,001 CYCLES TO 5,000CYCLES. | ① CONTACT RESISTANCE: AFTER TEST 50mΩ MAXIMUM CHANGE<br><br>② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS. | X                     | -                            |   |
| CARD INSERTION FORCE   | MEASURED BY APPLICABLE CARD AT 25±   | 1 TO 7N (NOTE3)  | X                     | -                            |   |
| CARD EJECTION FORCE  | 3mm/min  |  |                       |                              |   |
| VIBRATION AND HIGH FREQUENCY IEC60512-6-4  | FREQUENCY 10 TO 55 TO 10 Hz/min, SINGLE AMPLITUDE 0.75mm FOR 4h IN X,Y,Z 3 DIRECTIONS, TOTAL 12h   | ① NO ELECTRICAL DISCONTINUITY OF 1us<br><br>② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.                 | X                     | -                            |   |
| SHOCK IEC60512-6-3   | ACCELERATION 490m/s2 STANDARD HOLDING TIME 11ms, SEMI-SINE WAVE FOR 3 TIMES IN 3 DIRECTIONS, TOTAL 18 TIMES.   |  |                       |                              | ③ CONTACT RESISTANCE AFTER TEST 50mΩ MAXIMUM CHANGE                                   |
| <b>REFERENCE DRAWING</b>   |  |  |                       |                              |   |
| REMARKS<br><br><small>(NOTE1) : INCLUDE THE TEMPERATURE RISE BY CURRENT<br/>(NOTE2) : CONTACT RESISTANCE INCLUDES CONDUCTOR RESISTANCE UNLESS OTHERWISE SPECIFIED. THE TEST SHOULD BE DONE UNDER TEMP 15 TO 35°C. AIR PRESSURE 86 TO 106kPA, RESLATIVE HUMIDITY 25 TO 85%.<br/>(NOTE3) : IT MAY BE CHANGED ACCORDING TO THE TRAY/CARD MATERIAL AND DIMENSIONS.</small> | DRAWN  | DESIGNED   | CHECKED               | APPROVED                     | RELEASED  |
|  | M.J.CHEON<br>15.05.18  | M.J.CHEON<br>15.05.18  | M.J.CHEON<br>15.05.18 | H.C.SONG<br>15.05.18         |  |
| NOTE: QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST   |  |  |                       |                              |   |
| HIROSE KOREA CO.,LTD.  |  | SPECIFICATION SHEET  |                       | PART NO.<br>KP13C-6S-SF(800) |   |
| CODE NO.(OLD)<br>CL  | DRAWING NO.<br>ELC4-631874   | CODE NO.<br>CL 6530-0007-2-800   |                       | 1/2                          |   |

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| SPECIFICATIONS                               |  |  |    |    |
|--|--|--|----|----|
| ITEM   | TEST METHOD  | REQUIREMENTS   | QT | AT |
| <b>ENVIRONMENTAL CHARACTERISTICS</b>         |  |  |    |    |
| RAPID CHANGE OF TEMPERATURE<br>IEC60512-11-4 | 5 CYCLES(1CYCLE=1HOUR) WITH CARD MATED CONDITION (TEMPERATURE : -55℃ TO 85℃, RELOCATION TIME TO CHAMBER : WHITIN 5MIN) | ① CONTACT RESISTANCE :<br>AFTER TEST 50mΩ MAXIMUM CHANGE<br><br>② INSULATION RESISTANCE :<br>AFTER TEST 100MΩ MINIMUM<br><br>③ NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS. | X  | -  |
| DRY HEAT<br>IEC60512-11-9                    | EXPOSED AT 85℃ FOR 96 HOURS WITH CARD MATED CONDITION  |  | X  | -  |
| COLD<br>IEC60512-11-10                       | EXPOSED AT -40℃ FOR 96 HOURS WITH CARD MATED CONDITION   |  | X  | -  |
| DAMP HEAT STEADY STATE<br>IEC60512-11-3      | EXPOSED AT 40℃, 90 TO 95%RH, 96 HOURS WITH CARD MATED CONDITION  |  | X  | -  |
| CORROSION SALT MIST<br>IEC60068-2-11         | EXPOSED AT 35±2℃, 5% SALT WATER SPRAY FOR 48Hr   |  | X  | -  |
| RECOMMENDED TEMPERATURE PROFILE              | SEE THE FOLLOWING CONDITION, NUMBER OF CYCLE 1 TIME (NOTE4)  | NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS.  | X  | -  |

(NOTE4)



**REFERENCE DRAWING**

NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST

|                       |                            |                                |
|-----------------------|----------------------------|--------------------------------|
| HIROSE KOREA CO.,LTD. | SPECIFICATION SHEET        | PART NO.<br>KP13C-6S-SF(800)   |
| CODE NO.(OLD)<br>CL   | DRAWING NO.<br>ELC4-631874 | CODE NO.<br>CL 6530-0007-2-800 |
|                       |                            | 2/2                            |