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| COUNT | DESCRIPTION OF REVISIONS | BY        | CHKD  | DATE  | COUNT    | DESCRIPTION OF REVISIONS | BY | CHKD      | DATE  |       |          |
|-------|--------------------------|-----------|-------|-------|----------|--------------------------|----|-----------|-------|-------|----------|
| △1    | 9                        | RE-5-1840 | Y.K.G | A.B.H | 17.12.12 | △3                       | 2  | RE-5-2935 | K.C.J | A.B.H | 23.01.11 |
| △2    | 2                        | RE-5-2287 | K.C.J | A.B.H | 19.09.11 | △                        |    |           |       |       |          |

| APPLICABLE STANDARD |                             |                       |                                     |                                  |
|---------------------|-----------------------------|-----------------------|-------------------------------------|----------------------------------|
| RATING              | OPERATING TEMPERATURE RANGE | -40℃ ~ 85℃ (NOTE1) △3 | STORAGE TEMPERATURE RANGE           | -10℃ TO 60℃ (WITH PACKING) △2 △3 |
|                     | VOLTAGE                     | AC 10 V               | OPERATING OR STORAGE HUMIDITY RANGE | 95% MAXIMUM (NON-CONDENSING)     |
|                     | 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<br>TEST CURRENT 1mA  | INITIALLY 100mΩ MAXIMUM (NOTE2)   | X  | -  |
| INSULATION RESISTANCE IEC60512-3-1 △1                       | MEASURE WITHIN 1 MINUTE AFTER APPLYING 500V DC   | INITIALLY 1000MΩ MINIMUM  | X  | -  |
| VOLTAGE PROOF IEC60512-4-1 △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 | -NANO SIM CARD<br>5,000 TIMES INSERTION AND WITHDRAWAL SHALL BE MADE AT THE CYCLE RATE LESS THAN 10 CYCLES PER 1MINUTE<br><br>-MICRO SD CARD<br>10,000 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(9 TIMES) FROM 1,001 CYCLES TO 10,000 CYCLES. | ① CONTACT RESISTANCE:<br>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±3mm/min  | 1N TO 7N (NOTE3)  | X  | -  |
| VIBRATION AND HIGH FREQUENCY IEC60512-6-4 △1                | 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>② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.                        | X  | -  |
| SHOCK IEC60512-6-3 △1                                       | ACCELERATION 490m/s <sup>2</sup> STANDARD HOLDING TIME 11ms, SEMI-SINE WAVE FOR 3 TIMES IN 3 DIRECTIONS, TOTAL 18 TIMES.   | ③ CONTACT RESISTANCE AFTER TEST 50mΩ MAXIMUM CHANGE   | X  | -  |

|                          |  |  |  |  |  |
|--------------------------|--|--|--|--|--|
| <b>REFERENCE DRAWING</b> |  |  |  |  |  |
|--------------------------|--|--|--|--|--|

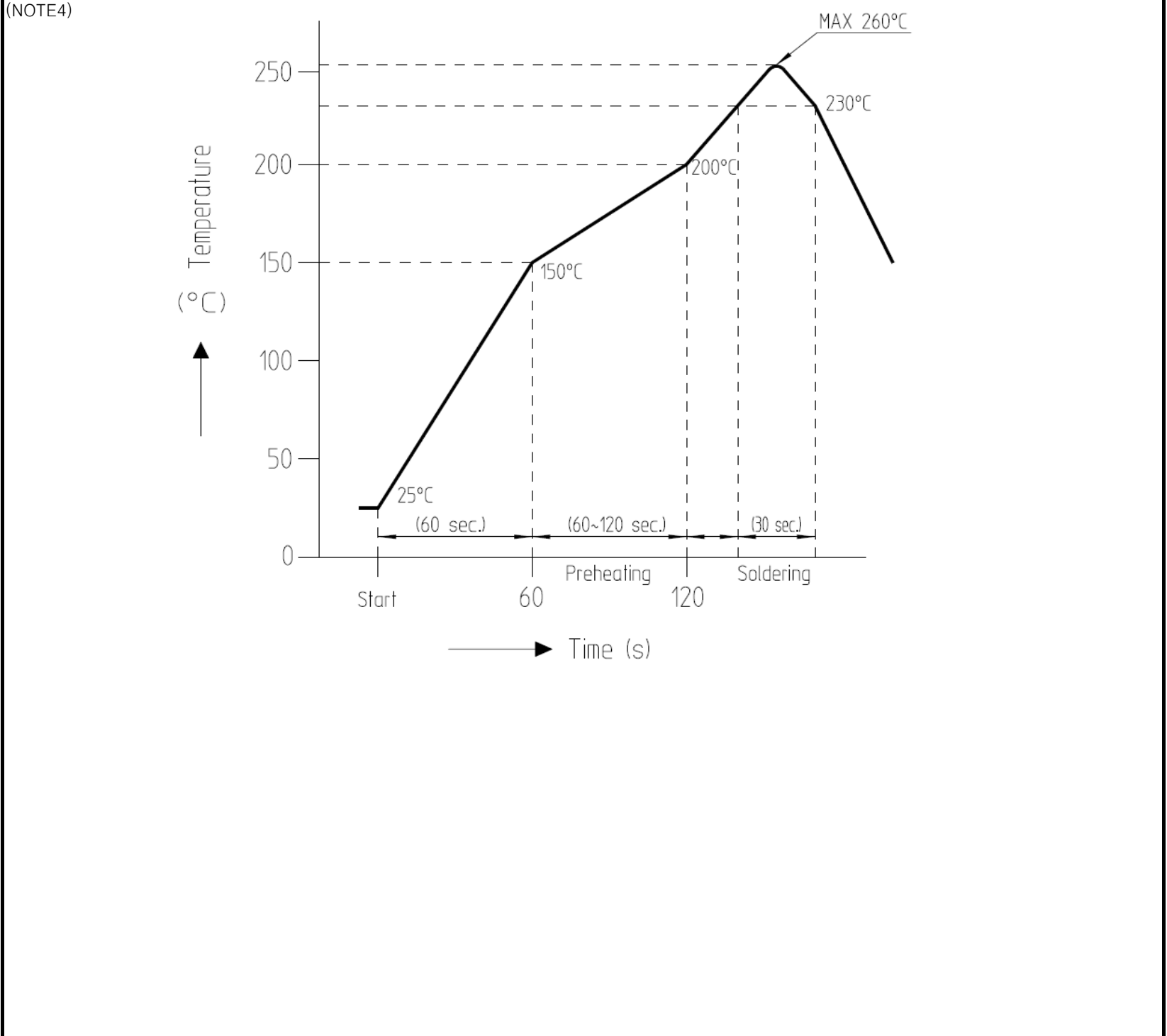
| REMARKS  | DRAWN                | DESIGNED             | CHECKED            | APPROVED             | RELEASED  |
|--|----------------------|----------------------|--------------------|----------------------|---|
| (NOTE1) : INCLUDE THE TEMPERATURE RISE BY CURRENT<br>(NOTE2) : CONTACT RESISTANCE INCLUDES CONDUCTOR RESISTANCE UNLESS OTHERWISE SPECIFIED. THE TEST SHOULD BE DONE UNDER TEMP 15 TO 35℃.<br>AIR PRESSURE 86 TO 106kPA, RESLATIVE HUMIDITY 25 TO 85%.<br>(NOTE3) : IT MAY BE CHANGED ACCORDING TO THE TRAY/CARD MATERIAL AND DIMENSIONS. | J.Y.JUNG<br>16.08.08 | J.Y.JUNG<br>16.08.08 | B.H.AN<br>16.08.08 | H.C.SONG<br>16.08.08 |  |

|   |                            |                     |                                |                              |        |
|---|----------------------------|---------------------|--------------------------------|------------------------------|--------|
| NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST |                            |                     |                                |                              |        |
| HIROSE KOREA CO.,LTD.   |                            | SPECIFICATION SHEET |                                | PART NO.<br>KP15B-6S-SF(800) |        |
| CODE NO.(OLD)<br>CL   | DRAWING NO.<br>ELC4-631968 |                     | CODE NO.<br>CL 6538-0005-8-800 |                              | 1<br>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 : WITHIN 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℃ , 80% , 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  | -  |



**REFERENCE DRAWING**

|   |                            |                                |     |                              |
|---|----------------------------|--------------------------------|-----|------------------------------|
| NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST |                            |                                |     |                              |
| HIROSE KOREA CO.,LTD.   |                            | SPECIFICATION SHEET            |     | PART NO.<br>KP15B-6S-SF(800) |
| CODE NO.(OLD)<br>CL   | DRAWING NO.<br>ELC4-631968 | CODE NO.<br>CL 6538-0005-8-800 | 2/2 |                              |