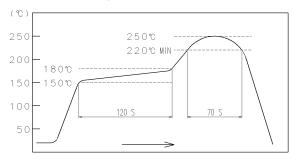
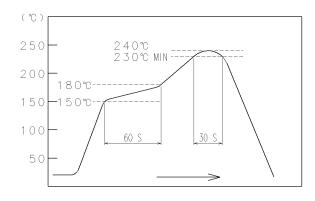
| APPLICA | BLE STAN | DARD | USB2.0 SPECIFICATION A | AND MIC | CRO-USE | CABLE | E AND CON | NECTORS SPECIFICATION | ۷. | |
|-----------------------|---|--|---|------------------------|---|--|----------------------------------|-------------------------|----------------|-------|
| | OPERATING TEMPERATURE RANGE VOLTAGE | | -30 °C TO +85°C TEMF | | RAGE PERATURE RANGE | | -30°C TO +85°C | | | |
| RATING | | | | | | | HUMIDITY | _ % TO _ % | | |
| | CURRENT | | SIGNAL ONLY 1 A / pin | | RANC APPL | | CABLE | OUTER DIAMETER OF CABLE | : Φ 3.4 | |
| | | | POWER APPLY 1.8A / pin (PIN No.1,No.5) 0.5 A / pin (PIN No.2 TO 4) | | | | | | | |
| | • | | SPEC | IFIC/ | ATIO | NS | | | | |
| IT | EM | | TEST METHOD | | | | REG | QUIREMENTS | QT | АТ |
| CONSTR | UCTION | • | | | | , | | | | |
| GENERAL EX | AMINATION | VISUALL | /ISUALLY AND BY MEASURING INSTRUMENT. | | | ACCORDING TO DRAWING. | | | | Х |
| MARKING | | | ONFIRMED VISUALLY. | | | | | | | X |
| | ICAL CHA | | | | | loo o t | 44.37 | | | |
| CONTACT RE | | , | 100 HIM (BO ON 1000 HZ). | | | 30 mΩ MAX. | | | X | X |
| | RESISTANCE | | 0 V DC. | | | 100 MΩ | | D DDE ALCDOMAN | X | X |
| OLTAGE PR | | | FOR 1 min. | | | NO FLA | SHOVER OF | R BREAKDOWN. | X | Х |
| NSERTION A | IICAL CHA | | JM RATE OF 12.5 mm/min. | | | INICEDE | ION FORCE | 35 N MAX. | TV | T |
| WITHDRAWA | | | ED BY APPLICABLE CONNECT | OR. | | _ | RAWAL FOR | | X | _ |
| MECHANICAL | OPERATION | 10000 TIMES INSERTIONS AND EXTRACTIONS. MATING SPEED - MECHANICALLY OPERATED: 500 CYCLES / h - MANUALLY OPERATED: 200 CYCLES / h | | | CONTACT RESISTANCE: NO INCREASE OF MORE THAN 10 mΩ FROM INITIAL VALUE. INSERTION FORCE 35 N MAX. WITHDRAWAL FORCE 8 N MIN. NO DAMAGE, CRACK AND LOOSENESS, OF | | | X | _ | |
| SINGLE | | | REQUENCY 10 TO 55 Hz, INGLE AMPLITUDE 0.75 mm, AT 2 h, OR 3 DIRECTIONS, TOTAL 6 h. | | | PARTS. ① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | | | X | _ |
| RADOM VIBRATION FREQU | | | EQUENCY 50 TO 2000 Hz, AT 15 min, R 3 DIRECTIONS. | | | X | | | | _ |
| SHOCK | | | 490 m/s ² DURATIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS, TOTAL 18 TIMES. | | | X | | | | |
| ENI/IROI | MENITΔI | | ACTERISTICS | - 10 I IIVIE | | | | | | |
| THERMAL SHOCK | | TEMPERATURE -55 \rightarrow 15 TO 35 \rightarrow 85 \rightarrow 15 TO 35 °C TIME 30 \rightarrow 2 TO 3 \rightarrow 30 \rightarrow 2 TO 3 min. UNDER 10 CYCLES. | | | CONTACT RESISTANCE: 70 mΩ MAX. INSULATION RESISTANCE: 10 MΩ MIN. NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | | _ | |
| HUMIDITY LIFE | | (MATING APPLICABLE CONNECTOR) TEMPERATURE -10 TO 65 °C, HUMIDITY 90 TO 98 %, UNDER 7 CYCLES (168h). (MATING APPLICABLE CONNECTOR) | | | | | | | - | |
| DRY HEAT | | EXPOSED AT +85±2 °C, 96 h. (MATING APPLICABLE CONNECTOR) | | | | | | Х | _ | |
| COLD | | EXPOSED AT -40±2 °C, 96 h. | | | | | | X | | |
| | | , | (MATING APPLICABLE CONNECTOR) | | | | | | | _ |
| CORROSION SALT MIST | | | SED IN 5 % SALT WATER, 35 °C FOR 48 h. UNDER UNMATED CONDITION) | | NO HEAVY CORROSION. | | | X | _ | |
| COUN | T DI | ESCRIPTI | ON OF REVISIONS | | DESIG | GNED | | CHECKED | DA | TE. |
| <u> </u> | . 51 | | | | | | | | | 3. 02 |
| REMARK | | DIS-E-00000490 TS. I antee the performance on these specification | | | APPROVED | | NM. NISHIMATSU D NM. NISHIMATSU | | 0. 27 | |
| | vill not quai | | | | ecification | | | | | 0. 27 |
| | | | ated with the others which is not HIROS | | | | | 15. 10. 27 | | |
| | | | | 0, EIA364 or IEC 60512 | | | | AK. AKIYAMA | 15. 10. 27 | |
| Note QT:Q | ualification Te | st AT:As | surance Test X:Applicable T | est | DI | RAWING NO. | | ELC-125961-3 | -31-00 | |
| HS. | SI | PECIF | ICATION SHEET | | PART | NO. | | ZX64-B-5S-UNIT (31) |) | |
| 🔾 | HIR | OSE E | LECTRIC CO., LTD. | | CODE N | | CL2 | 42-0009-3-31 | Λ | 1/2 |

| SPECIFICATIONS | | | | | | | | |
|----------------|---|------------------------------------|----|----|--|--|--|--|
| ITEM | TEST METHOD | REQUIREMENTS | QT | AT | | | | |
| RESISTANCE TO | A PROFILE IS SHOWN IN FIG-1, UNDER 2 CYCLE. | NO DEFORMATION OR SIGNIFICANT | Х | _ | | | | |
| SOLDERING HEAT | | LOOSENESS OF CONTACTS. | | | | | | |
| SOLDERBILITY | SOLDERING POINT IMMERSED IN BATH OF 255±5 °C, | SOLDER SHALL COVER MINIMUM OF 95 % | X | _ | | | | |
| | 5 sec. (USING TYPE R FLAX) | OF THE SURFACE BEING IMMERSED. | | | | | | |

FIG-1
RESISTANCE OF SOLDERING HEAT (TEMPERATURE AT TOP SURFACE OF CONNECTOR)



RECOMMENDED PROFILE REFERS TO FIG-2 (TEMPERATURE AT SMT LEAD) FIG-2 RECOMMENDED REFLOW PROFILE TEMPERATURE



| Note QT: | Qualification Test AT:Assurance Test X:Applicable Test | DRAWIN | IG NO. | ELC-125961-31-00 | | |
|----------|--|----------|---------------------|------------------|-------------|-----|
| שטכ | SPECIFICATION SHEET | PART NO. | ZX64-B-5S-UNIT (31) | | | |
| HS | HIROSE ELECTRIC CO., LTD. | CODE NO | CL242 | 2-0009-3-31 | \triangle | 2/2 |