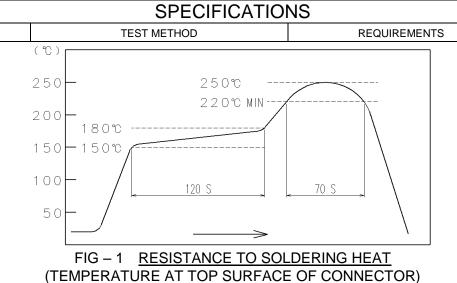
| APPLIC. | ٩BL | E STANI | DARD | USB3.0 SPECI | FICATI | ON AND | MICRO | -USB C | AB <u>LE</u> AI | ND C | ONNECTORS SPECIFIC | CATION | ۷ | |
|---|-------|-----------|--|--|----------------|-------------------------|-----------------------------------|---|--|--|-----------------------------|-------------|-------|--|
| OPERATING TEMPERATUR | | | RANGE | −30°C TO +85°C | STOR/ TEMPE | AGE ERATURE RANGE | | -30°C | | | −30°C TO +60°C | °C TO +60°C | | |
| RATING | | | | | | | | SIGNA | AL ONLY | , 1 | .0 A/pin | | | |
| | | VOLTA | GF | 30V AC | ١ , | CURRE | NT | | R APPL | | · | | | |
| | | VOLITA | GE | | CORRI | OOMAL | .INI | 1 OVVL | F | | 1.8 A/pin (PIN No.1,No.5) | | | |
| | | | | 21 | PECIFICA | | ۸ ۲۱۸۱ | TIONS | | JU | 0.5 A/pin(PIN No.2 TO 4,No. | | J 10) | |
| | | | | | | IFIC/ | 41101 | INO | | .= | WD = 1 (= 1) TO | 10- | Τ | |
| CONST | DII | | TEST METHOD | | | | | REQUIREMENTS | | | QT | AT | | |
| GENERAL | | • | VISUALLY AND BY MEASURING INSTRUMENT. | | | | | ACCORDING TO DRAWING. | | | | ΙX | X | |
| MARKING | | | CONFIRMED VISUALLY. | | | | | - Accordance to Statume. | | | | X | X | |
| ELECTE | RIC | CHARA | CTERIS | STICS | | | | | | | | 1 | 1 | |
| CONTACT | | | 100 mA (DC OR 1000 Hz). | | | | | 30 mΩ MAX. | | | | X | Х | |
| INSULATION RESISTANCE | | | 500 V DC. | | | | | 1000 ΜΩ ΜΙΝ. | | | | Х | Х | |
| VOLTAGE PROOF | | | 100 V AC FOR 1 min. | | | | | NO FLASHOVER OR BREAKDOWN. | | | | X | Х | |
| CAPACITANCE | | | MEASURE ADJACENT TWO CONTACTS AT 1000±10Hz AC VOLTAGE. | | | | | 2 pF MAX. | | | X | - | | |
| МЕСНА | NIC | AL CHAF | | | | | | 1 | | | | 1 | 1 | |
| INSERTION | I AND | | A MAXIMUM RATE OF 12.5 mm/min | | | | | INSERTION FORCE 35 N MAX. | | | | T - | | |
| WITHDRAV | VAL F | ORCES | MEASURED BY APPLICABLE CONNECTOR | | | | | WITHE | RAWAL | FARC | E 10 N MIN.(INITIAL) | | | |
| MECHANICAL OPERATION | | | 10000 TIMES INSERTIONS AND EXTRACTIONS. | | | | 1) CON | 1) CONTACT RESISTANCE: | | | | 1 | | |
| | | | MATING | | ECO =:: | 01.50 | | | NO INCREASE OF MORE THAN 10 m Ω | | | X | _ | |
| | | | - MECHA or | NICALLY OPERATED : | : 500 CY | CLES / h | | | FROM INITIAL VALUE. 2) INSERTION FORCE 35 N MAX. | | | | | |
| | | | - MANUALLY OPERATED : 200 CYCLES / h | | | | | WITHDRAWAL FORCE 8 N MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | | | | |
| | | | | | | | | | | | | | | |
| VIBRATION RANDOM VIBRATION | | | FREQUENCY 10 TO 55 Hz | | | | 1) NO ELECTRICAL DISCONTINUITY OF | | | V | | | | |
| | | | SINGLE AMPLITUDE 0.75 mm, AT 2h (6 HOURS IN TOTAL) FOR 3 AXIAL DIRECTIONS. | | | | 1μs. 2) NO | 1μs. 2) NO DAMAGE, CRACK AND LOOSENESS | | | X | - | | |
| | | | FREQUENCY 50 TO 2000 Hz AT 15 min | | | | OF PARTS. | | | X | 1 | | | |
| SHOCK | | | (45 MINUTES IN TOTAL) FOR 3 AXIAL DIRECTIONS. | | | | | | | | | <u> </u> | | |
| | | | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS. | | | | | | | | | X | _ | |
| ENVIRO | NN | IENTAL | CHARA | ACTERISTICS | | | | 1 | | | | | 1 | |
| THERMAL SHOCK | | | TEMP $-55 \rightarrow +15 \text{ TO } +35 \rightarrow +85 \rightarrow +15 \text{ TO} +35 ^{\circ}\text{C}$ TIME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3 \text{ min.}$ UNDER 10 CYCLES. | | | | , | | | ANCE: 70 mΩ MAX. | Х | | | |
| | | | | | | | | | | STANCE: $10 \text{ M}\Omega$ MIN. CK AND LOOSENESS | ^ | - | | |
| | | | (MATING APPLICABLE CONNECTOR) | | | | OF PARTS. | | | | | | | |
| DRY HEAT | | | TEMPERATURE -10 TO 65 °C, HUMIDITY 93±3 %, UNDER 7 CYCLES (168 h) | | | | | NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | X | _ | | |
| | | | (MATING APPLICABLE CONNECTOR) | | | | | | | | | | | |
| | | | EXPOSED AT 85°C±2°C, 96 h. (MATING APPLICABLE CONNECTOR) | | | | | NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | X | _ | | |
| COLD | | | EXPOSED AT -40°C±3°C, 96 h. | | | | | NO DAMAGE, CRACK AND LOOSENESS OF | | | | + | | |
| 000000000000000000000000000000000000000 | | | (MATING APPLICABLE CONNECTOR) | | | | L | PARTS. | | | X | - | | |
| CORROSION SALT MIST | | | EXPOSED AT 5 % SALT WATER, 35 °C, FOR 48h. (LEFT UNDER UNMATED CONDITION.) | | | | | NO HEAVY CORROSION. | | | | X | - | |
| SOLDERBILITY RESISTANCE TO | | | SOLERRING POINT OF CONTACTS IMMERSION IN | | | | | SOLDERING POINT OF CONTACTS | | | Х | | | |
| | | | | DLDER BATH OF 255°C±2°C, 5 sec. PROFILE IS SHOWN IN FIG-1, UNDER 2 CYCLES. | | | | IMMERSION IN SOLDER 95% MIN. NO DEFORMATION OR SIGNIFICANT | | | | + | | |
| SOLDERING HEAT | | | The second secon | | | | | LOOSENESS OF CONTACTS. | | | | X | | |
| COU | NT | DE | SCRIPTIO | ON OF REVISIONS | | | DESIG | SNED | | | CHECKED | DA | ATE | |
| ∆ | | | | | | | | | | | , | | | |
| REMARK | :11 | | antee the performance on these specifics | | | | APPROVED | | | NM. NISHIMATSU | 15. 10. 2 | | | |
| | | | rantee the performance on these specification will be mated with the others which | | | | is not | | | KN. ICHIKAWA | 15. 10. 27 | | | |
| HROSE | | iouuct W | will be mated with the others which | | | viliOil B | 5 1101 | DESIG | DESIGNED TS. 1T0 | | 15. 10. 27 | | | |
| | | wise spec | cified, refer to USB3.0, EIA364 or IEC 60 | | | 60512 | 2. DRAWN | | ۷N | AK. AKIYAMA | 15. 10. 27 | | | |
| | | | | | | RAWING NO. ELC-127240-3 | | | 31-00 | 0 | | | | |
| HS | | SP | PECIFICATION SHEET | | | | PART NO. | | o. ZX360D-B-WD-10P (3 | | 31) | | | |
| HIR | | | OSE ELECTRIC CO., LTD. | | | CODE NO. | | CL242-0507-0-31 | | Δ | 1/2 | | | |
| 1111 | | | 222 222 2110 00., 210. | | | CODE NO. | | 0L272 0007 0 01 | | | | | | |



QT AT

RECOMMENDED PROFILE REFERS TO FIG – 2. (TEMPERATURE AT SMT LEADS)

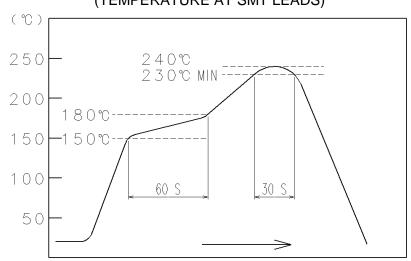


FIG – 2 RECOMMENDED REFLOW PROFILE TEMPERATURE

| Note QT:Q | ualification Test AT:Assurance Test X:Applicable Test | DRAWIN | IG NO. | ELC-127240-31-00 | | |
|-----------|---|----------|---------------------|------------------|-----------|-----|
| HRS. | SPECIFICATION SHEET | PART NO. | ZX360D-B-WD-10P(31) | | | |
| 1.0 | HIROSE ELECTRIC CO., LTD. | CODE NO | CL242 | 2-0507-0-31 | \$ | 2/2 |

ITEM