



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|-------|--------------------------|-----|------|----------|-------|--------------------------|----|------|------|
| △ 2 | RE-F-09653 | K.N | H.Y | 04.04.06 | | | | | |
| △ 1 | RE-F-10251 | K.D | H.O | 05.02.02 | | | | | |

| APPLICABLE STANDARD | | STORAGE TEMPERATURE RANGE | |
|-----------------------------|-----------------|---------------------------|-----------------|
| OPERATING TEMPERATURE RANGE | -55 °C TO 85 °C | OPERATING HUMIDITY RANGE | -10 °C TO 60 °C |
| RATING VOLTAGE | 100 V AC | STORAGE HUMIDITY RANGE | 40 % TO 80 % |
| CURRENT | 0.4 A | | 40 % TO 70 % |

| SPECIFICATIONS | | REQUIREMENTS | |
|---------------------|---------------------------------------|-----------------------|-------|
| ITEM | TEST METHOD | | QT AT |
| CONSTRUCTION | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | X X |
| MARKING | CONFIRMED VISUALLY. | | X X |

| ELECTRIC CHARACTERISTICS | | | |
|---|-------------------------------|----------------------------|---|
| CONTACT RESISTANCE | 100 mA (DC OR 1000 Hz) | 80 mΩ MAX. (1) | X |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD | 20 mV MAX. 1 mA(DC OR 1000Hz) | 100 mΩ MAX. (2) | X |
| INSULATION RESISTANCE | 250 V DC. | 100 MΩ MIN. | X |
| VOLTAGE PROOF | 300 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | X |

| MECHANICAL CHARACTERISTICS | | | |
|----------------------------|---|---|---|
| MECHANICAL OPERATION | 50 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 100 mΩ MAX. (2) ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X |
| VIBRATION | FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTION. | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 100 mΩ MAX. (2) ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X |
| SHOCK | 490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | X |

| ENVIRONMENTAL CHARACTERISTICS | | | |
|-------------------------------|---|---|---|
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h. | ① CONTACT RESISTANCE: 100 mΩ MAX. (2) ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE: 55 → +15 ~ +35 → +85 → +15 ~ +35 °C TIME 30 → 2 ~ 3 → 30 → 2 ~ 3 min UNDER 5 CYCLES. | | X |
| CORROSION SALT MIST | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | ① CONTACT RESISTANCE: 100 mΩ MAX. (2) ② NO HEAVY CORROSION. | X |
| HYDROGEN SULPHIDE | EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38) | | X |
| RESISTANCE TO SOLDERING HEAT | 1) REFLOW SOLDERING : 250 °C MAX. : 220 °C MIN. FOR 60 s 2) SOLDERING IRONS : 360 °C. FOR 5 s | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | X |
| SOLDERABILITY | △ SOLDERED AT SOLDER TEMPERATURE, 240 ± 3 °C, FOR IMMERSION DURATION, 3 s | A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD. | X |

| REMARKS | | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
|---|--|----------|------------|----------|-------------|----------|
| (1) THIS CONNECTOR'S INITIAL CONTACT RESISTANCE SHALL BE 80 mΩ, BECAUSE OF THE BULK RESISTANCE OF STACKING HEIGHT 16 mm TYPE. (2) AFTER TEST, THE CHANCE OF THE CONTACT RESISTANCE SHALL BE 20 mΩ MAX. | | S.SUZUKI | K.NAKAMURA | H.OKAWA | Y.YOSHIMURA | |
| Unless otherwise specified, refer to JIS C 5402. | | 03.02.13 | 03.02.13 | 03.02.14 | 03.02.15 | |

Note QT: Qualification Test AT: Assurance Test X: Applicable Test

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| TO | |
| PCK | |
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|---------------|------------------|---------------------|------------------|
| CODE NO.(OLD) | DRAWING NO. | SPECIFICATION SHEET | PART NO. |
| CL | ELC4 - 151089-23 | | FX8C-※※P-SV4(93) |
| | | | CL 578 |

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