### SPECIFICATIONS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>TEST METHOD</th>
<th>REQUIREMENTS</th>
<th>QT</th>
<th>AT</th>
</tr>
</thead>
</table>

#### CONSTRUCTION
- **GENERAL EXAMINATION**: VISUALLY AND BY MEASURING INSTRUMENT. ACCORDING TO DRAWING.
- **MARKING**: CONFIRMED VISUALLY.

#### ELECTRIC CHARACTERISTICS
- **CONTACT RESISTANCE**: 20 mΩ, 1 mA (DC or 1000 Hz) MAX.
- **INSULATION RESISTANCE**: 100 MΩ, 500 V DC.
- **VOLTAGE PROOF**: 500 V AC FOR 1 min. NO FLASHOVER OR BREAKDOWN.

#### MECHANICAL CHARACTERISTICS
- **MECHANICAL OPERATION**: 30 TIMES INSERTION AND EXTRACTION.
- **CONTACT INSERTION AND EXTRACTION FORCES**: IT TAKES OUT AND INSERTS WITH A CONFORMITY CONNECTOR.
- **VIBRATION**: FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION.
- **SHOCK**: 450 m/s² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.

#### ENVIRONMENTAL CHARACTERISTICS
- **DAMP HEAT (STEADY STATE)**: EXPOSED AT 40 ± 2°C, 90 TO 95%, 96 h.
- **RAPID CHANGE OF TEMPERATURE**: TEMPERATURE -55°C → +85°C.
- **RESISTANCE TO SOLDERING HEAT**: 1) REFLOW SOLDERING NUMBER OF REFLOW CYCLES: 2 CYCLES MAX. PEAK TEMPERATURE: 250°C, 10 sec. MAX. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE: 350 ± 10°C, SOLDERING TIME: 3 sec.
- **SOLDERABILITY**: SOLDERING TEMPERATURE: 245°C DURATION OF IMMERSION: SOLDERING, FOR 5 sec.

#### NOTE
- NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.
- NOTE 2: NO CONDENSING
- NOTE 3: APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD. OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.

#### DRAWING NO.
ELC4-343904-01

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**Specifications Sheet**
- **Part No.**: DF57H-2P-1.2V (21)
- **Code No.**: CL666-0104-7-21

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**Remarks**
- **DATE**: 14.07.07
- **DRAWN**: TS. KUMAZAWA
- **CHECKED**: TS. KUMAZAWA
- **APPROVED**: KI. AKIYAMA
- **DESIGNED**: TS. FUKUSHIMA
- **CHECKED**: HK. UEHARA

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

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**Form**
- HD0011-2-1

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