### COMPONENT SPECIFICATION

**1.0mm P.C.B. SOCKETS**

**FEB 2009**

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**PREPARED BY: ..........................**

**APPROVED BY: ..........................**

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COMPONENT SPECIFICATION
1.0mm P.C.B. SOCKETS

1. DESCRIPTION OF CONNECTOR AND INTENDED APPLICATION.
A range of sockets designed to interface components with Ø1.0mm pins to printed circuit boards, allowing a change of components when required.

2. MARKING OF THE CONNECTOR AND/OR PACKAGE (ORDER CODE).
The marking (order code) shall appear on the package and shall be of the following style:

- Product Group: H
- XXXX
- Connector Style
- Contact Finish

For details of styles and finishes see the latest catalogue for more information.

3. RATINGS.

3.1. ELECTRICAL CHARACTERISTICS.
- Current per socket in isolation at an ambient temperature of 25°C..........................10.0A max
- Current per socket in isolation at an ambient temperature of 85°C..........................7.5A max
- Maximum contact resistance (initial).................................................................10 mΩ
- Maximum contact resistance (after conditioning).............................................25 mΩ

3.2. ENVIRONMENTAL CHARACTERISTICS.
- Environmental classification..................................................................................55/125/21
- Vibration severity ......................10Hz to 2000Hz at 0.75mm / 98m/s² (10g), duration 6 hours

3.3. MECHANICAL CHARACTERISTICS.
- Durability.................................................................1000 operations (Gold), 100 operations (Tin)
- High temperature, long term (current as in 3.1.)...........................................50 hours at 85°C
- Clip retention in body.........................................................................................18N min
  Minimum retention force may be 18N from a sample of 10 sockets, providing the average of the samples is 27N.
- Maximum insertion force with Ø1.0mm pin (initial)......................................9.0N
- Minimum withdrawal force with Ø1.0mm pin (initial)....................................1.0N
- Range of mating plug diameter .................................................................0.90 - 1.05mm

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