

**COMPONENT SPECIFICATION**  
**1.0mm P.C.B. SOCKETS**  
**FEB 2009**

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| <u>ISSUE</u> | <u>C/NOTE</u> | <u>DATE</u> |
|--------------|---------------|-------------|
| 04           | 1894          | 09.10.91    |
| 05           | 1957          | 26.03.92    |
| 06           | 2014          | 01.06.92    |
| 07           | 7501          | 21.07.03    |
| 08           | 8766          | 06.10.05    |
| 09           | 10286         | 11.02.09    |

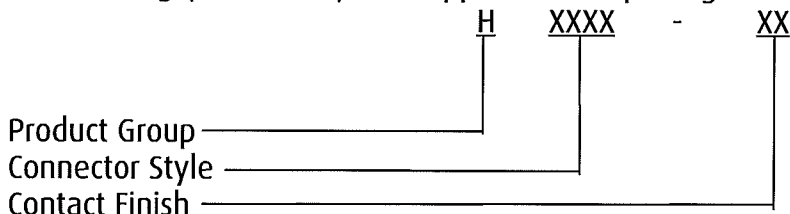
**COMPONENT SPECIFICATION**  
**1.0mm P.C.B. SOCKETS**

**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:



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/s <sup>2</sup> (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 .....                                                                          | Ø0.90 - 1.05mm                               |