



# HARWIN

## Component Specification

**C01008**

0.80mm PCB Sockets  
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## 1. DESCRIPTION OF COMPONENT AND INTENDED APPLICATION

A range of sockets to be used to interface components with Ø0.80mm pins to printed circuit boards; allowing a change of components when desired.

## 2. RATINGS

### 2.1. Electrical Characteristics

Current Rating:

In isolation, 25°C ambient .....	10.0A max
In isolation, 85°C ambient .....	7.5A max
Contact Resistance .....	10mΩ

### 2.2. Environmental Characteristics

Environmental classification .....	55/125/21
Operating Temperature Range .....	-55°C to +125°C
Vibration Severity .....	10Hz to 2,000Hz, 0.75mm, 98m/s <sup>2</sup> (10G), duration 6 hours
Fluid Resistance (BS2011, Test 2RA) .....	Isopropanol, Trichlorotrifluoroethane, Trichloroethane, Trichloroethylene

### 2.3. Mechanical Characteristics

Durability:

Gold on contact area .....	1,000 operations
Tin on contact area .....	100 operations
High Temperature, Long Term (current as in 2.1.) .....	50 hours at 85°C
Clip Retention in Body .....	18N min
<i>Minimum retention force may be 18N from a sample of 10 sockets, providing the average of the samples is 27N minimum.</i>	
Insertion Force (initial, with Ø0.80mm pin) .....	5.0N max, 1.5N min
Withdrawal Force (initial, with Ø0.80mm pin) .....	3.0N max, 1.0N min
Range of Mating Pin Diameter .....	Ø0.60mm to Ø0.85mm

