



Component Specification

C01007

**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 ² (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