



HARWIN

Component Specification

C01008

0.80mm PCB Sockets
November 2022

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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/s² (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

*Minimum retention force may be 18N from a sample of 10 sockets,
providing the average of the samples is 27N minimum.*

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

