

# PC Board Sockets

Individual sockets for PCB mounting, these contacts give a simple alternative to hard-wiring connections and oddform components directly to the PCB - allowing for rework, module replacement or upgrade, and in-service repair.

The individual sockets come in a choice of styles and mounting options. The primary specification for all PCB sockets is the size of male pin (or component termination tail) that will mate with the socket. Additional options may also then be available, depending on the socket range at that size.

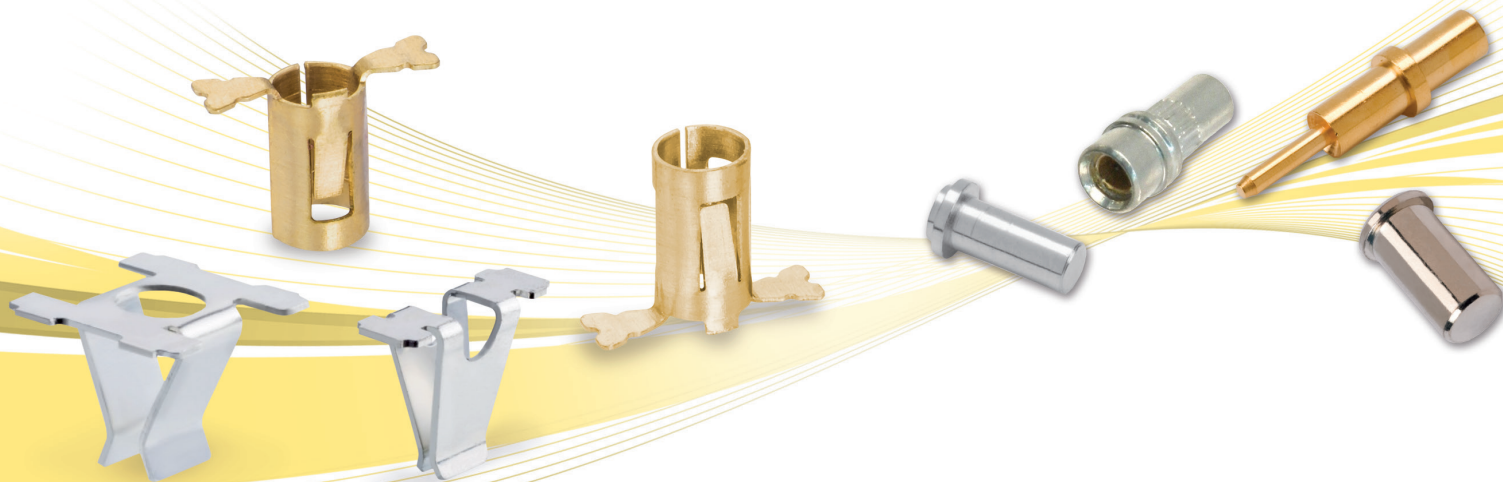
- ❖ Typically very low-profile, with most of the socket sitting within the PCB thickness, or below
- ❖ Full range accepts pin sizes from Ø0.41mm to Ø2.30mm
- ❖ Product styles range from 2 to 6 points of contact
- ❖ Gives the added flexibility of custom board layouts
- ❖ Stocked in depth throughout Harwin's authorized distributor network
- ❖ Reduces process costs with the elimination of secondary socket soldering operations

## Surface Mount

- ❖ Ultra-Low profile with either 2 or 3 contact points, single piece construction with flat upper surface for pick and place
- ❖ Rated between 5 Amps and 9 Amps (design-dependant)
- ❖ Supplied in Tape and Reel packaging. Suitable for high volume applications with automated SMT systems

## Throughboard

- ❖ High reliability contacts. Proven history in high end industrial and Mil/Aero applications.
- ❖ Designed for robustness and reliability, and based on the same design as the Datamate and M300 four finger Beryllium Copper contacts
- ❖ Suited for use in environments where high vibration, shock and extremes of temperature are a consideration
- ❖ The socket design is a two-part construction comprising of a contact clip retained in a precision-turned outer shell



# PC Board Sockets Product Features

## Surface Mount - Ultra-low profile

Ultra-low profile on the PCB - barely more than a material thickness above the board.



## Throughboard - Retention features

Variants include knurls for mechanical PCB retention, and open-ended sockets for longer pins.



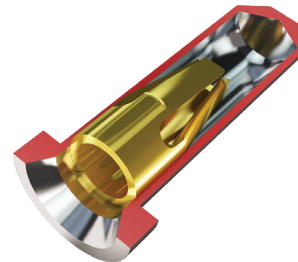
## Surface Mount - Automated product placement

Supplied as standard in Tape and Reel packaging, ideally suited for high volume automated assembly. Pick and place location built into the design.



## Throughboard - Beryllium Copper contact

Proven 4-finger and 6 finger contact designs (based on Datamate) to maintain electrical contact through high vibration and shock. -55°C to +125°C operating temperature range.



## Surface Mount - Round or Square mating pins

Accommodates mating pins 0.80mm to 1.90mm, square or round profile pins. Sycamore Contacts can be mated via top or bottom entry (design dependant).



## Throughboard - Up to Ø2.30mm mating pin

Accepts nominal mating pin sizes of Ø0.50mm, Ø0.80mm, Ø1.00mm and Ø2.00mm (Ø2.30mm maximum).

