

A range of 4-beam and 6-beam sockets, designed for robustness and reliability, and based on the same design as the Datamate four finger Beryllium Copper Contact.

The socket design is a two-part construction comprising of a contact clip retained in a precision-turned outer shell.

Options for the shell include closed or open-ended, with or without a knurled section for added board retention.

- ✦ **High Reliability contacts.**
- ✦ **Proven history in High End Industrial and Mil/Aero applications**
- ✦ **Gives the added flexibility of custom board layouts.**
- ✦ **Suited for use in environments where high vibration, shock and extremes of temperature are a consideration.**
- ✦ **Contact [technical@harwin.com](mailto:technical@harwin.com) for customised shell variations.**

## ✦ Materials

Outer Shell:	Brass
Inner Contact:	Beryllium Copper
Finish:	See Order Code

## ✦ Electrical

Current Rating (single contact):	
Ø0.50mm	2A max
Ø0.80mm	10A max
Ø1.00mm	10A max
Ø2.00mm	20A max
Contact resistance:	5 milliohms max

## ✦ Environmental

Operating Temperature:	-55°C to +125°C
Solderability:	235°C for 5 seconds
Soldering heat resistance:	260°C for 10 seconds

## ✦ Mechanical

Durability:	
Ø0.50mm	500 operations
Ø0.80mm	1000 operations
Ø1.00mm	1000 operations
Ø2.00mm	500 operations
Insertion force (max):	
Ø0.50mm	6.0N
Ø0.80mm	5.0N
Ø1.00mm	9.0N
Ø2.00mm	6.0N
Withdrawal force (min):	
Ø0.50mm	0.5N
Ø0.80mm	1.0N
Ø1.00mm	1.0N
Ø2.00mm	1.0N
Vibration sensitivity:	
10 – 2000Hz, 0.75mm, 98mm/s <sup>2</sup> (10G), 6 hours duration	

All preferred sizes of this range are held in stock.  
Check [www.harwin.com](http://www.harwin.com) for availability.

All dimensions in mm.

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