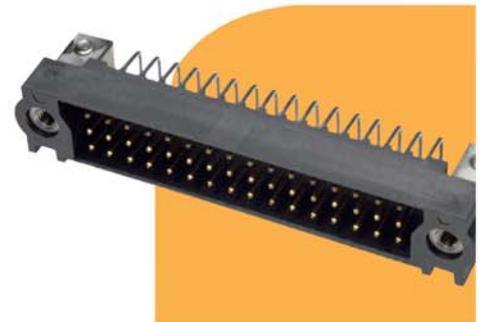
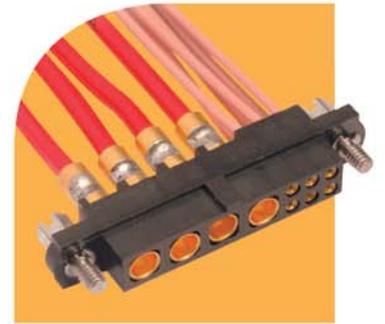


HARWIN

INTERCONNECT DESIGN & MANUFACTURE



www.harwin.com/Datamate

Datamate

Performance without compromise

Datamate is a 2mm pitch high reliability, high performance COTS connector system which is approved to British Standard 9525-F0033 and has a proven track record under the most extreme conditions.

This approval is made possible by Harwin's high reliability, low frequency four finger Beryllium Copper contact technology (3A max).

The contact features a four finger Beryllium Copper clip to ensure integrity of connection under the most severe conditions and makes Datamate ideally suited to applications that are subject to high loads of vibration and shock. Other contact options include high frequency (6GHz max) and high power (20A max).

The range benefits from mixed layout options (Mix-Tek) that afford the engineer complete flexibility of design, automated crimping versions (Trio-Tek) which reduces installed costs, and Datamate BS with 100% in-process testing for peace of mind in safety-critical applications. Secure termination is achieved by latches (L-Tek), jackscrews (J-Tek) or the new 101Lok fast mate hardware, which speeds and simplifies the mating process.



High reliability four finger Beryllium Copper Contact

Features & benefits

- ❖ COTS (Commercial Off The Shelf) system
- ❖ Miniature connector system with high performance contacts reduces space and weight
- ❖ Four finger Beryllium Copper contact ensures integrity of signal connection
- ❖ Professional connector system at commercial prices
- ❖ Rugged connectors for use in harsh environments & safety critical applications when failure is not an option
- ❖ Proven history in: aerospace, industrial, military, oil & gas etc.
- ❖ Suited for use in harsh environments where high vibration, shock and extremes of temperature are a consideration
- ❖ Global distribution network – stocked in depth
- ❖ Approved to BS9525-F0033
- ❖ Complies with CECC 75101-008
- ❖ Live Help, 3D CAD models and free samples at www.harwin.com/datamate

Datamate Project involvement:

- NASA robonaut
- Boeing 757, 737 & 747
- Eurofighter Typhoon
- Watchkeeper UAV
- Hydroid AUV



Picture courtesy of Hydroid

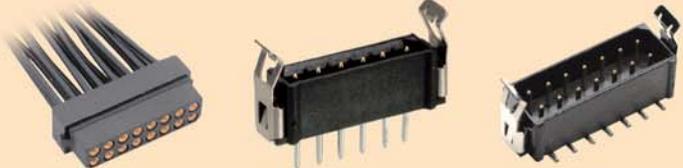
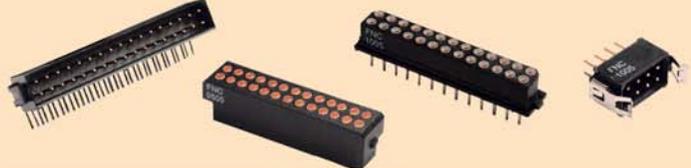
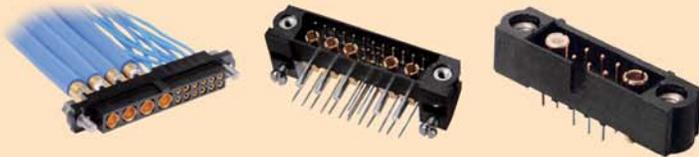
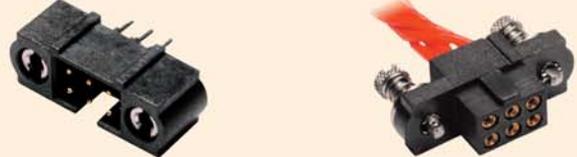
Harwin operates an ongoing product development program, visit www.harwin.com for the latest additions to the Datamate range.



* Robonaut used with kind permission of NASA.

** Source: www.eurofighter.com/medialibrary

Datamate Product Families

<p>Datamate L-Tek</p> <p>Datamate low frequency connectors with three Flexible mating options: friction latch, locking latch and no latch.</p>	
<p>Datamate J-Tek</p> <p>Datamate low frequency connectors with optional jackscrews for increased security of connection. No special tooling required.</p>	
<p>Datamate BS</p> <p>Manufactured to British Standard 9525-F0033 for safety critical applications. Datamate BS assures total security in the knowledge that the product is of the highest calibre.</p>	
<p>Datamate -Plus</p> <p>Datamate with 100% in-process (A & B) testing. Similar to Datamate BS in nature but applicable to the whole range of Datamate product.</p>	
<p>Datamate Mix -Tek</p> <p>3 connector styles in one. Includes low frequency signal, power (20 A) and coax (6GHz) options. Modular manufacturing allows customer specified layouts in short lead times and at COTS prices.</p>	
<p>Datamate 101 Lok</p> <p>101Lok hardware reduces assembly time by simplifying the mating process. The fast mate hardware requires 101-degree turn to securely mate and requires no special tooling.</p>	
<p>Datamate Trio-Tek</p> <p>Performing to the same high-reliability standards as conventional Datamate, the Trio-Tek open barrel crimp contact automates the crimp process to significantly save on assembly time and reduce process costs.</p>	

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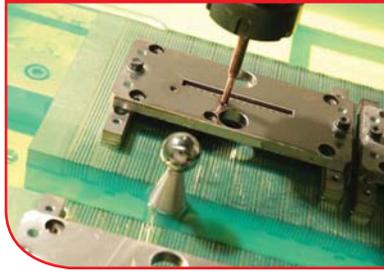


Harwin Capabilities - all under one roof!

Design / Technical



Engineering



Moulding



Stamping



Turning



Electroplating



Assembly



Quality



Commitment to manufacturing

In an industry that is fast changing and constantly evolving, Harwin recognises the importance of Research & Development. By investing in new technology and skills, we are able to respond to customer's individual needs quickly and efficiently.

For detailed explanations of our manufacturing capabilities, go to

www.harwin.com/capabilities

For more information visit www.harwin.com/capabilities

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