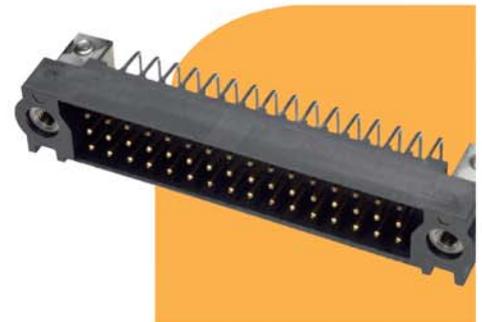
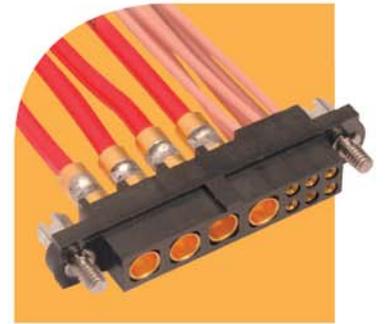


# Datamate

reliability when you need it most



[www.harwin.com/datamate](http://www.harwin.com/datamate)

**HARWIN**

INTERCONNECT DESIGN & MANUFACTURE

# Performance without compromise

**Datamate is a 2mm pitch high reliability, high performance COTS connector system, which has a proven track record under the most extreme conditions.**

This performance 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 coax (6GHz max) and high power (20A max). The range benefits from mixed layout options (Mix-Tek) that afford the engineer complete flexibility of design and automated crimping versions (Trio-Tek) which reduces installed costs. 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
- ❖ High Rel connector system at commercial prices
- ❖ Ruggedized for safety critical applications - when failure is not an option
- ❖ Suited for use in harsh environments where high vibration, shock and extremes of temperature are experienced
- ❖ Live Help, 3D CAD models and free samples at [www.harwin.com/datamate](http://www.harwin.com/datamate)

### Datamate Project involvement:

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



Picture courtesy of Hydroid



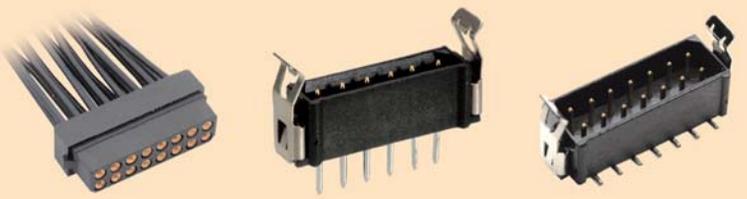
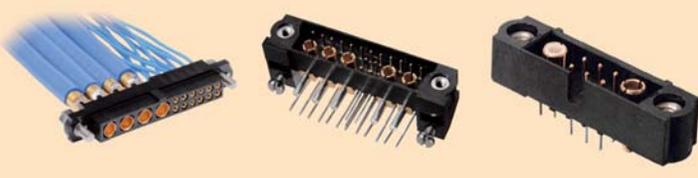
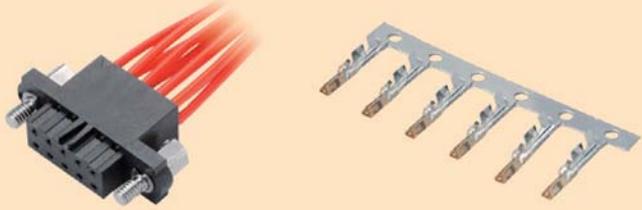
\* Robonaut used with kind permission of NASA

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# HARWIN



# Datamate Product Families

<p><b>Datamate L-Tek</b></p> <p>Datamate low frequency connectors with three Flexible mating options: friction latch, locking latch and no latch.</p>	
<p><b>Datamate J-Tek</b></p> <p>Datamate low frequency connectors with optional jackscrews for increased security of connection.</p>	
<p><b>Datamate Mix-Tek</b></p> <p>3 connector styles in one. Includes low frequency signal (3 Amps), power (5 to 20 Amps) and coax (6Ghz) options. Modular manufacturing allows customer specified layouts in short lead times and at COTS prices.</p>	
<p><b>Datamate 101 Lok</b></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><b>Datamate Trio-Tek</b></p> <p>Performing to the same high-reliability standards as conventional Datamate, the Trio-Tek open barrel Dual or Double crimp contact automates the crimp process to significantly save on assembly time and reduce process costs.</p>	



[www.harwin.com](http://www.harwin.com)

\*\* Source: [www.eurofighter.com/medialibrary](http://www.eurofighter.com/medialibrary)

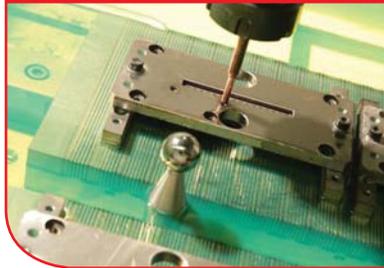


## Harwin Capabilities - all under one roof!

Design / Technical



Engineering



Molding



Stamping



Commitment to manufacturing

In an industry that is fast changing and constantly evolving, Harwin recognizes 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.

Turning



Electroplating



Assembly



Quality



For more information visit [www.harwin.com/capabilities](http://www.harwin.com/capabilities)

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