

Printed Circuit Board Interconnects

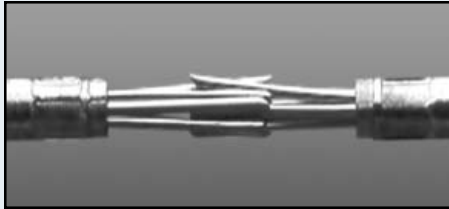
Amphenol provides an impressive array of Rectangular Connectors to meet the needs of high density systems and interconnect attachments to Printed Circuit Boards.

- Low Mating Force Rectangular Connectors with Brush contacts
- LRM Surface Mount Connectors with Brush contacts
- Rectangular Connectors with Tuning Fork and Blade contacts
- Modular Interconnects
- Cylindrical Connectors with PCB tails

Mil-Specs covered within the Rectangular Printed Circuit Board Family:

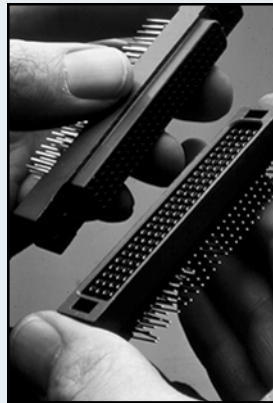
- MIL-C-55302
- UHD and NAFI Backplane Connectors qualified to MIL-C-28859 and MIL-C-28754

Amphenol® Bristle® Brush® Contacts

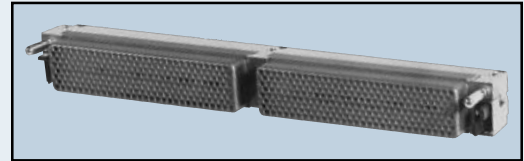
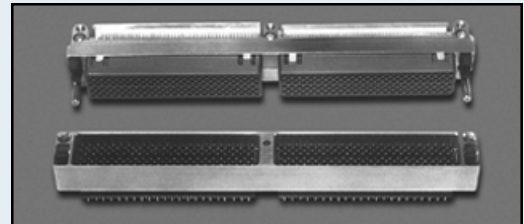


Brush Contact Advantages:

- Low mating/unmating forces - 70% to 90% reduction from conventional pin-socket contacts
- Superior electrical characteristics
- Durability - over 20,000 cycles of mating & unmating without degradation
- Intermittency-free performance
- Redundant current paths (stable, low resistance)



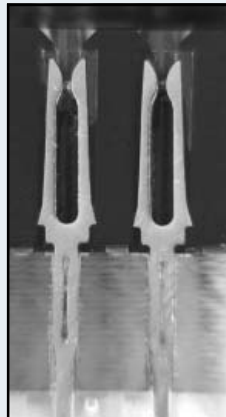
Low Mating Force Rectangular Connectors
(2, 3, 4 rows with 10 to 100 contacts per row)



LRM Surface Mount Connectors
(Shown top - Staggered Grid, 360 contacts)
(Shown bottom - GEN-X Grid, 472 contacts)

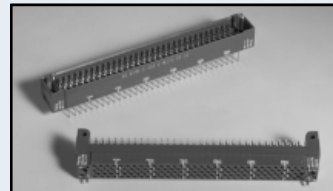
Amphenol Rectangular Connectors with Tuning Fork and Blade Contacts

Amphenol Aerospace has a wide array of high density, high reliability rectangular connectors that use the proven tuning fork and blade technology. These are incorporated into backplane systems. UHD and NAFI Backplane connectors are available with customer tailored lengths and styles.



UHD Surface Mount Connectors
(Up to 396 surface mount contacts in the SEM-E Format,
Up to 556 pins in the 10 SU configuration)

Other Rectangular Connectors



SIHD Connectors

Rectangular Interconnection Products also offered (in addition to those represented on this page) include:

- PCB Connectors qualified to MIL-C-55302 with PCB, crimp or solder contacts
- Pyle LMD and LMS Linear Modular Connectors
- LRM Surface Mount Connectors with ESD Protection
- RF Modules and Power Supply Modules
- SIM Modular Connectors



SIAL Modular Connectors

Cylindrical Connector Attachment to Printed Circuit Boards

Also for printed circuit board applications:

- Cylindrical Connectors available with PCB contacts and Compliant Press-Fit contacts
- Flex Circuitry Assemblies
- Header Assemblies

See pages 52 and 53.



MIL-DTL-38999 Connector with PCB Tails

Please see our websites:

www.amphenol-aerospace.com
www.amphenol-industrial.com
www.amphenol-abs.com