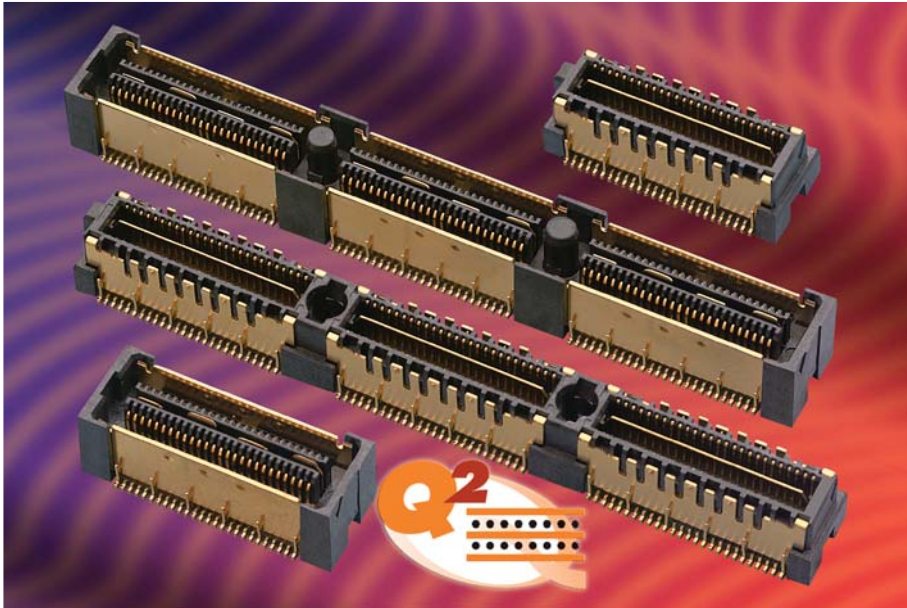


Q2 Shielded Connector System

For High Speed and Micro Rugged Applications



Samtec's new Q2 shielded connector system (QMSS/QFSS Series) provides EMI suppression by incorporating shield plates along the sides of the connector and terminating them to the PCB via selected signal pins. Both Single-Ended and Differential Pair versions are available as standard. Standard shield grounding is GSSSSG. Application specific options with other signal/ground configurations are also available.

This new system has signal pins on .025" (0,635mm) pitch and is available with

52, 104, 156 and 208 total pins per connector set. It is hotpluggable with the shields and ground plane mating first followed by the signal pins. Application specific options allow three stage hotpluggability by reducing the height of the selected signal pins.

Connectors are polarized to assure proper mating. In addition to vertical mating with 11mm (.433") spacing between boards, edge-mount, power combo and non-shielded versions are also available.

FEATURES

- Q2 - Shielded Connector System
- .635mm (.025") pitch
- Up to 160 I/Os
- EMI shielding attached to board via selected signal pins
- Dual stage hotpluggable
- SMT ground plane and shield
- Edge-mount, power and non-shielded options available
- Guide post system
- Solder clips for added strength

TYPICAL SYSTEMS

- High-end Servers
- Multi-chip Modules
- Automated Test Equipment (ATE)
- In Circuit Emulation (ICE)
- In Circuit Testing (ICT)
- Test and Measurement
- Industrial Equipment
- Aerospace

RELATED PRODUCTS

- [Other High Speed Interconnects](#)
- [High Speed Cable](#)

TECHNICAL INFORMATION

- [QMSS/QFSS](#) specifications
- [QMSS/QFSS-DP](#) specifications (Differential Pair)
- [QMSS/QFSS-EM2](#) (Edge-Mount) specifications
- [QMS/QFS](#) specifications (Unshielded)
- [QMS/QFS-DP](#) (Unshielded Differential Pair) specifications
- [Signal Integrity Group](#)
- [Interconnect Processing Group](#)

