



Spectrum

FINE PITCH / HIGH DENSITY INTERCONNECTS



Preliminary Data Sheet

Amphenol
Alden

*Better interconnect solutions
for better patient care*

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Fine Pitch / High Density Interconnects

Introducing the Spectrum line of Fine Pitch / High Density interconnects. Packaged in Amphenol Alden's proven Pulse-Lok® and Cam-Lok connector systems and designed specifically for the demanding needs of the medical device OEMs. High reliability, high circuit count, low cost interconnects.

For the users and patients it means safe, easy to use, unobtrusive and intuitive designs. From engineering and manufacturing of the most complex over-molded cable assemblies to 'box builds' to providing world-class connectors, only Amphenol Alden integrates design, product and process engineering to deliver interconnect solutions that are as economical as they are ergonomic.

FEATURES & BENEFITS

- **Up to 340 Contacts in an Ergonomic Package**
 High density contact layout using Amphenol cStack® contact system in our Pulse-Lok® plug featuring a simple flex circuit in our cable-mounted receptacle
- **Designed for Termination of Fine Gauge Wire to Flex Circuit Tail**
 Gang terminate wire sizes as low as 44awg. Let Amphenol Alden provide fully terminated and tested "turnkey" assemblies for you.
- **Tactile Confirmation of Mate**
 Amphenol Alden "PulseLok" style connection system provide for assurance that the connector is mated properly and locked. Quick 1/8 turn disconnect
- **Sealed to IP-67**
 Prevents water and cleaning agent ingress to connector when mated
- **Multiple Keying Options**
 Failsafe to prevent undesired mate for multiple connector applications



APPLICATIONS

- Electrophysiology
- Ultrasound
- Cosmetic Surgery
- Bionics



Spectrum SCL10-258

Up to 258 Contacts in a 1.0" (25.4mm) Package

- “Cam-Lok: Mating and Lock System
- Linear Interlock for lower diameter footprint
- Scalable to Desired Circuit Count
- Designed for Termination of Fine Wire to Flex Tail
- Low cost receptacle for catheter applications

Spectrum SPL12-132

Up to 132 Contacts in a 1.2" (30.5mm) Package

- Pulse-Lok® Mating and Lock System
- Tactile and Audible Confirmation of Mate
- “Touch-Proof” Contacts
- Designed for Termination of Fine Wire to Flex Tail
- Multiple Keying Options
- Housing Options
 - Cable Mount Plug
 - Front Panel-Mount Receptacle
 - Cable Mount Receptacle



Spectrum SPL20-342

Up to 340 Contacts in a 2.0" (50.8mm) Package

- Pulse-Lok® Mating and Lock System
- “Touch-Proof” Contacts
- Designed for Termination of Fine Wire to Flex Tail
- Multiple Keying Options
- Housing Options:
 - Cable Mount Plug
 - Front Panel-Mount Receptacle
 - Cable Mount Receptacle