

# **PULSE-LOK<sup>®</sup>**

*INTERCONNECT*



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**Amphenol**  
**Alden**

*Better interconnect solutions  
for better patient care*

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## MEDICAL AUTO-LATCHING CONNECTORS

At Amphenol Alden our goal is to help enable our OEM partner's products deliver better patient care. We achieve this by providing cable assemblies and connectors that are efficient, effective and reliable. For our partners this means lower costs, greater reliability and shortened development cycles due to the unmatched value and service we provide.

Amphenol Alden's **Pulse-Lok®** family of auto-latching connectors has been performance engineered to meet the challenges of medical instrumentation applications. **Pulse-Lok®** connectors are typically preferred for the unmatched list of features and benefits that they bring to this demanding marketplace.

## FEATURES & BENEFITS

### ► Auto-Coupling – Intuitive, Affirmative & Ergonomic

- Auto-Latch, quick release mating action
- Tactile mating confirmation
- Fluid, low insertion, coupler engagement
- Elegant, comfortable design

### ► Versatile Product Offering

- Five standard sizes (0.52"-1.6")
- Standard contact configurations up to 128 poles
- 6 standard color options
- Multiple keying options
- Engineered plastic or metal housings with EMI/RFI Shielding
- Available as an overmolded cable assembly

### ► Environmental Resilience

- Touch-Proof, recessed contacts endure repeated, high frequency mating
- Impact resistant circular housings
- Flex, strain, & impulse resistant cable protection
- Waterproof, IP-67 rated mated
- Reprocess via steam, gas or gamma sterilization



## APPLICATIONS

### ► Electrosurgical Devices

- Single-use soft tissue cutting tools
- Ablation needles for tumor termination

### ► Electrophysiology

- Catheter connectors
- Intra-Cardiac Echocardiography (ICE)

### ► Patient Monitoring

- SP02
- Electrocardiography (ECG)

### ► Diagnostic Imaging

- Conventional Ultrasound
- Intravascular Ultrasound (IVUS)



### **Pulse-Lok® PL500SM-N** **Compact & Cost Effective**

- Standard configurations with up to 14 contacts
- Miniature 0.520" diameter circular shell
- Housing Options: (Available in Metal)
  - Cable Mount Plug
  - Rear Panel-Mount Receptacle
  - Cable Mount Receptacle

### **Pulse-Lok® PL700SM-N** **Versatile & Durable**

- Standard configurations with up to 27 contacts
- 0.700" diameter circular shell
- Housing Options: (Available in Metal)
  - Cable Mount Plug
  - Rear & Front Panel-Mount Receptacle
  - Cable Mount Receptacle



### **Pulse-Lok® PL900RG-N** **Reliable & Efficient**

- Standard configurations with up to 52 contacts
- Reverse & Standard gender mate available
- 0.900" diameter circular shell
- Housing Options: (Available Plated)
  - Cable Mount Plug
  - Rear Panel-Mount Receptacle
  - Disposable Receptacle

### **Pulse-Lok® PL1200RG-N** **Ergonomic & Robust**

- Standard configurations with up to 78 contacts
- Reverse & Standard gender mate available
- 1.20" diameter circular shell
- Housing Options:
  - Cable Mount Plug
  - Rear Panel-Mount Receptacle
  - Disposable Receptacle



### **Pulse-Lok® PL1600SM-N** **Revolutionary & Innovative**

- Standard configurations with up to 128 contacts
- Hyperboloid contacts
- 1.60" diameter circular shell
- Housing Options:
  - Cable Mount Plug
  - Rear Panel-Mount Receptacle

## **THE AMPHENOL ADVANTAGE**

No other interconnect manufacturer can combine our collaborative engineering expertise, ability to quickly customize product, and the power of Amphenol's global manufacturing capabilities to serve the demands of the global market.

Amphenol Alden is your complete interconnect resource regardless of your interconnect need. Whether providing world-class connectors or engineering and manufacturing the most complex overmolded cable or electronic accessory, only Amphenol Alden merges design, product and process engineering to deliver interconnect results that are as ergonomic and effective as they are economical.

Visit us on the web at [www.AmphenolAlden.com](http://www.AmphenolAlden.com) or call us at 1 (508) 427-7000 with your specific interconnect application.