

# Alliance Group Northwest Inc.

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Effective Date: 1/2019

## Challenge Electronics

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

### Audible Products



- Battery Holders
- Magnetic and Piezo Buzzers & Transducers
- Panel Mount Piezoelectric Alarms
- Wide range of Speaker, Headsets ; MEMS & Condenser Microphones

## E-Switch

[www.e-switch.com](http://www.e-switch.com)

### Switches



- PCB Switches include Rocker, Toggle, Push Button, DIP, Tact, Nav., Slide, & Tilt
- Panel Mount Switch offering of Rotary, Rocker, Push Button, Toggle, Keylock & Anti-Vandal
- Standard, Miniature and Subminiature Snap Action Switches
- Sealed, Lighted and Customization Options available for many series

## Kycon

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

### Connectors



- D-Sub, Mod-Jack, HDMI, USB, Mini-Din, Audio, & DC Power Jacks
- Full Line of I/O Connectors and Molded Cable Assemblies
- Mod Jacks: IP67, with or w/o Shielding, LED or Magnetics
- Mounting Options: Thru-Hole, SMT, Vertical, Right Angle, Upright & Mid-Mount

## Mercury United

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

### Crystals/Oscillators



- 20KH2-80KH2, Ultra Low Power, 1.0—3.3 Volt Operation Oscillators
- Ceramic SMD Crystal Filters
- Crystals, Clock Oscillators, VCXO's and TCXO's
- Full Line Mfg of Quartz Crystal Frequency Control Products
- Low EMI, Spread Spectrum Clock Oscillators

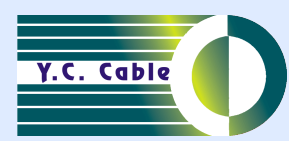
## Casio/ Ortustech

[www.macnica.com/americas/products/displays/ortustech](http://www.macnica.com/americas/products/displays/ortustech)

### Color TFT Displays



- Advanced Design for Compactness, Reliability, & Very Low Power Consumption
- Breakthrough "Blanview" Technology offers Sunlight Readable Display, Long battery life, Low heat Generating, & Exceptional Image Quality
- QVGA, WVGA, and HD Displays from 2.2" to 7"
- Touch Panels available with some models, Resistive and Capacitive, (PCAP)
- Operating temps -30C to +85C, several Wide temp models -40C to +95C



- **Complex Multi-Break Wire Harness Assembly**
- **RF, Coaxial, Fiberoptic and Hybrid Cable Assemblies**
- **Plastic Injection Molding and Connector Over-Molding**
- **Industry Certifications: UL, CSA, ISO 9001: 2008; ISO13485:2003, ISO14001:2004, FDA Registered & ITAR Compliant**