



## Performance and reliability for a wide range of applications

Our standard and custom products, offer unmatched performance and reliability for a wide range of applications in the DEFENSE, AEROSPACE, SPACE and INDUSTRIAL OEM MARKETS.

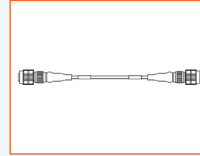
### INTERCONNECT SOLUTIONS

DATABUS PRODUCTS



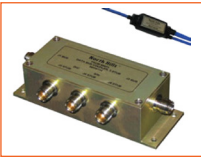
#### In-Line Couplers / Box Couplers

- Single / Multi-Stub
- Lightweight
- Compact Construction
- Thru-Hole Mounting
- Flight Qualified



#### Cable Assemblies

- Single / Multi-Stub Configurations
- Custom Configurations
- Space Qualified
- Extended Temperature (-110°C to +135°C)



#### Space Rated Couplers, Harnesses & Assemblies

- Single / Multi-Stub
- Extended Temperature (-110°C to +135°C)
- Meets NASA Outgassing Requirements
- Rugged Construction, Lightweight
- Space Flight Qualified

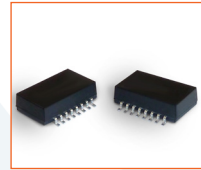


#### Accessories

- Terminators, plugs, jacks, caps, adaptors
- Hand Held Databus Testers

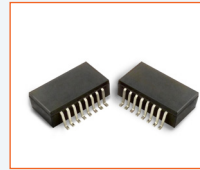
### INTERFACE SOLUTIONS

HIGH SPEED



#### Transformers

- Isolation / Circuit Protection
- Single / Dual Channel
- Ethernet / Firewire / SMPTE / Fibre Channel
- Up to 3.2 Gb/s



#### Active Transceivers / Active Transformers

- AS5643 Firewire
- Fibre Channel
- SMPTE - 292M
- 802.3 Ethernet

### WIDEBAND SOLUTIONS

WIDEBAND



#### Video Isolation

- Humstoppers, Humbuckers
- Flat Frequency Performance
- Linear Phase Response
- Ultra-Wide Bandwidth



#### Baluns

- High Frequency to 1.5Ghz
- Low Insertion / Return Loss
- Custom - Wide Bandwidth
- SMTPE Applications



#### Instrumentation

- Longitudinal Balance Bridges
- Common Mode Injectors
- Return Loss Bridges
- Signal Converters



#### Isolation Transformers

- RF Power Series
- Extended Video Series
- Coaxial Impedance Adaptors
- Video Splitter / Combiner

### POWER SOLUTIONS

POWER



#### Current Transformers

- Single / Multi Phase
- 50kHz to 1 MHz



#### Transformers

- Custom Designs
- Flyback
- Push-Pull, Buck / Boost, Buck-Boost
- Gate Drive



#### Power Inductors

- Surface Mount / Thru-hole
- Toroid / Header Configurations



#### Chokes

- Common Mode
- Differential Mode
- Custom Designs
- Shielded options available



## DEVELOPMENT / TESTING / VALIDATION CAPABILITIES

- MIL-STD-981
- NASA EEE-INST-002
- IPC J-STD-001DS
- MIL-PRF-21038
- MIL-STD-1553
- MIL-PRF-27
- MIL-STD-202
- ECSS-Q-ST-70-38C
- SSQ-21676
- MIL-STD-883
- Custom Power Magnetics Design/Build
- Custom Signal Magnetics Design/Build
- ITAR Compliant
- AS9100C Certified
- ISO9001-2008 Certified

## PROGRAM PARTICIPATION

ISS      Orion      JWST      GPS III      SAGE III      SDO      SLS

## MANUFACTURING CAPABILITIES

Bobbin Winding      Toroid Winding      Precision Soldering      Molding

## TESTING SERVICES Testing capabilities for product qualification and design validation

### ELECTRICAL

- Inductance with or without DC
- Turns Ratio
- DWV - Vac up to 5kv, Vdc up to 6kV
- Insulation Resistance
- Distortion
- Pulse Testing
- Thermal Rise
- Impedance
- Q (up to 1 Mhz)
- DCR
- SRF (up to 3Ghz)
- Leakage Inductance
- Voltage Ratio / Polarity
- Insertion Loss / Return Loss
- Harmonic Distortion
- Longitudinal Balance

### MECHANICAL

- Mechanical Shock
- Mechanical Vibration
- Solderability
- Resistance to Soldering
- Tin whisker analysis

### ENVIRONMENTAL

- Humidity (to 90% RH)
- Moisture Resistance
- Thermal Shock
- Thermal Cycling
- High/Low Temperature Storage
- Steam Aging
- Flammability Testing
- Smoke/Toxicity Testing
- Fungus Resistance

### ANALYTICAL

- X-Ray Imaging
- Real Time X-ray
- Plating composition analysis
- Detailed Inspection Plans
- First Article Inspection to AS9102
- Micro-Sectioning
- SEM Imaging / Analysis
- X-Ray Fluorescence (XRF)
- Solderability Testing
- Resistance to Soldering Heat

### Corporate Headquarters

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