

SIGNAL

iNRCORE (formerly PulseR) is a World Class manufacturer of catalog and custom magnetic components with manufacturing facilities domestically & off shore. Our products serve Military, Commercial Aerospace, Manned and Unmanned Space, High-Reliability Industrial, Medical, Transportation and Power-Grid Infrastructure markets across the globe.

iNRCORE's experienced engineering teams offer cutting-edge technical solutions while our manufacturing expertise provides comprehensive production.



Signal Products

- **MIL-STD-1553**

QPL and Non-QPL Interface Transformers & Data Bus Couplers



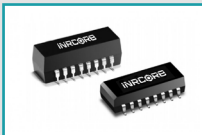
- **Copperhead Transceivers**

Fibre Channel, FireWire IEEE-1394b, SMPTE-292M, HDTV, Data rates 60 Mbps to 2.125 Gbps



- **Ethernet Interface Transformers**

10/100, Gig-Ethernet, 10 Gig Ethernet, Single, Dual and Quad Channel, PoE, PoE+, PoE++ , AFDX



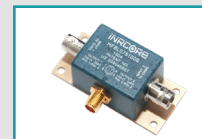
- **Component Baluns**

100 Mbps to 6 Gbps



- **High Speed Baluns & Video Isolation Transformers**

In-Line, Ruggedized 100 Mbps to 2.97 Gbps



- **Delay Lines**

QPL per MIL-PRF-83531 passive and MIL-PRF-83532 active, Custom designs available



- **Signal Transformers**

Passive data transformers data rates 330 Mbps to 3.2 Gbps



- **Custom Build-to-Print or SCD Signal Magnetics**



SPACE DEVELOPMENT/TESTING/VALIDATION CAPABILITIES

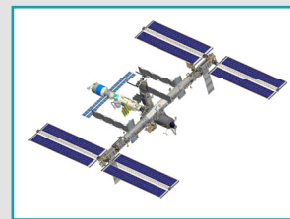
- MIL-STD-981
- NASA EEE-INST-002
- NASA-STD 8739.3
- IPC-STD-001DS
- MIL-PRF-21038
- MIL-PRF-27
- MIL-STD-202
- ECSS-Q-ST-70-38C
- AEC-Q200
- MIL-STD-883
- Custom Magnetic Power
- Signal Design/Build

Manufacturing Capabilities

- Bobbin Winding
- Toroid Winding
- AS9100D Certified
- ITAR

PROGRAM PARTICIPATION

- ISS
- Orion
- Artemis
- Europa Clipper
- James Webb
- JUICE
- OSIRIS-REx
- Cygnus
- Nancy Grace Roman



TESTING SERVICES

Testing capabilities for product qualification and design validation

ELECTRICAL

- Inductance with or without DC
- Turns Ratio
- HI-POT - Vac up to 20kV, Vdc up to 6kV
- Insulation Resistance
- Distortion
- Pulse Testing
- Thermal Rise
- Impedance
- Q (up to 1MHz)
- DCR
- SRF (up to 3GHz)
- Leakage Inductance
- Voltage Ratio
- Insertion Loss

ENVIRONMENTAL

- Mechanical Shock
- Mechanical Vibration
- Solderability
- Resistance to Soldering
- Tin Whisker Analysis

MECHANICAL

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

ANALYTICAL

- X-Ray Imaging
- Real Time X-Ray
- Plating Composition Analysis
- Detailed Inspection Plans
- First Article Inspection to AS9102

Corporate Headquarters

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