

ENGINEERED FOR BATTLE



iNRCORE
Family of Brands

High Performance Electronic Solutions
MILITARY & DEFENSE INDUSTRY APPLICATION

MILITARY PROGRAM PARTICIPATION

The team at iNRCORE brings the experience and expertise needed to provide customers with reliable solutions, regardless of production volumes. Our US-based plant is ITAR compliant and registered with the Directorate of Defense Trade Control (DDTC).

BALUNS

High frequency baluns, balun adapters isolation transformers are designed for SMPTE HDTV applications and standard test equipment in high-reliability conditions.

CAPACITORS

Robust surface mount and thru-hole multilayer ceramic and tantalum capacitors and resistor/capacitor networks. We also design custom capacitors to stringent aerospace and military specifications.

CUSTOM MAGNETICS

Our deep engineering expertise allows us to create custom magnetic solutions for extreme applications that demand strong, accurate, and exceptionally reliable components, including a wide range of sizing and complexity.

DELAY LINES

Rugged and reliable surface mount, thru-hole and custom delay lines - ideal for applications requiring a specific time delay in signal transmission.

ETHERNET

Our discrete Ethernet transformers are designed to meet IEEE 802.3x standards and are ruggedized for the world's most harsh environments.

INDUCTORS

SLIC, SLED and POGO series toroid power inductors have ruggedized construction. Planar inductors meet the demanding requirements for low inductance high DC current.

RESISTORS

Manufactured in accordance with the applicable Mil-specs, and available in a much wider range of values and tolerances. Also available in whisker-free Tin-Lead (Sn-Pb) termination finish.

TRANSEIVER MODULES

Integrates a line driver, equalization, line filter and isolation transformer in a single, discrete package. Buffers, reconditions, and isolates a high-speed data line in high reliability environments at speeds from 125 to 2125 Mbps.

TRANSFORMERS

Our QPL and Non-QPL MIL-STD-1553 transformers are designed, built, and tested to MIL-PRF-21038, and they support all major 1553 transceivers with short stubbed and/or long stubbed communication via a MIL-STD-1553 data bus. Available as a custom solution for your specific requirements.

Drones

- Capacitor
- RF Inductors
- Wideband RF Transformers

Missile #1

- Baluns
- Delay Lines

F-Series Military Jets

- Transceiver Modules
- Baluns

BLACK HAWK Helicopter

- Transformers
- Delay Lines

Military Satellites

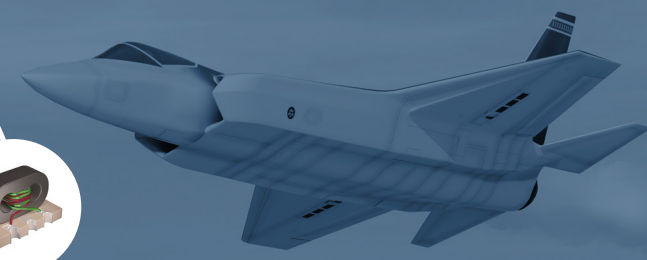
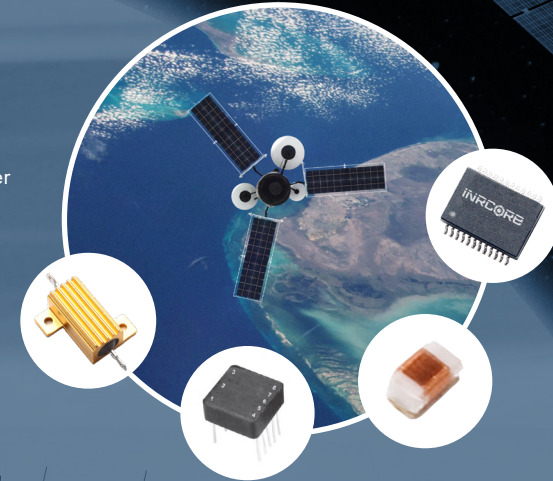
- Custom Resistors
- MIL-STD-1553 Transformer
- Ceramic Chip Inductor
- Ethernet Transformer

Missile #2

- Delay Lines
- Baluns

M1 Abrams

- Ethernet Transformers
- Custom Transformers
- Transceiver Modules
- Baluns



UNMATCHED CAPABILITIES

With More Than 70 Years of Experience and Specialized Knowledge

in high performance electronic components, we've invested heavily in the vertical integration of each capability - from automation systems, to modern manufacturing facilities, to full tooling and testing - to ensure the scalability and reliability you need.

When it comes to high performance electronics, we know there isn't a one-size-fits-all solution. Our family of brands comes together as your collaborative partner, rapidly responding to meet your unique requirements and timeline.



INRCORE FAMILY OF BRANDS

INRCORE

INRCORE

Designs and manufactures magnetic components that transmit high-speed, mission-critical signal and power in the harshest operating conditions.
inrcore.com

BICRON

BICRON

Designs and manufactures custom magnetics, custom transformers, power harvesting & sensing current transformers, and DC solenoids for extreme reliability long-life applications.
bicronusa.com

DYCO

DYCO ELECTRONICS

Manufacturer of high performance custom magnetic components and electronic assemblies for high reliability applications, including rail transportation safety systems.
dycoelectronics.com

GOWANDA

GOWANDA ELECTRONICS

Designs and manufactures RF and power inductors, broadband conicals, military QPL, HiRel, non-magnetic designs, and transformers for Military/Aero, Space, Medical and Commercial applications.
gowanda.com

hisonic

HISONIC

Design and build-to-print transformers, inductors, and assemblies for mission critical applications.
hisonic.com

RCD

RCD COMPONENTS

Manufacturer of passive components, including resistors, capacitors, coils and delay lines for the aerospace, medical, military and commercial industries.
rcdcomponents.com

TTE

TTE FILTERS

Develop and manufacture of high quality RF and microwave filters, bias tees, diplexers, multiplexers, amplitude equalizers and EMI/RFI filters, especially for critical test and measurement applications.
tte.com

VANGUARD ELECTRONICS

VANGUARD ELECTRONICS

Designs and manufactures custom components for RF and Power applications. And to provide the highest quality magnetics that operate defect-free while cost effective.
ve1.com

BREADTH OF EXPERTISE

Military and Defense Systems

From ground vehicles on the front line of defense to stealth multirole combat aircraft protecting our skies, the iNRCORE Family of Brands has delivered to support militaries in the U.S. and around the world. The components required by these critical systems are designed to comply with requisite military and industrial standards, and play a key role in supporting crucial platforms used by all branches of the armed forces.

- Brake Controllers
- Communication Systems
- Flight Control Systems
- Generator Systems
- Navigation Systems
- Display Management Computers
- Helmet Display Management Computers
- Mission Management Control Computers
- Throttle Stick Controllers



TRUSTED BY THE BEST





SEE WHAT SETS INRCORE APART

CUSTOMIZATION

Built-to-Print
Custom Test Plans

- Design to your Specifications Support
Specification Drawings
- Rapid Prototyping Support
- Support Built-to-Print

MODIFICATIONS

Ruggedizing
Up-Screening

- Modify Existing Designs
- Provide Design Reviews
- Support Space Grade Modifications of
Parts
- Provide Up-Screening Recommendations

PRODUCTION

U.S.A. & Offshore Production
Capabilities

- AS9100D Certified
- Automated Production Capabilities
- High-Mix Low Volume and
High-Volume Manufacturing
- Comprehensive Inspection and Testing to
Ensure Performance
in Harsh Conditions

EXPERTISE

Market Segment
Specialization

- Aerospace
- Rail Transportation
- Defense/Military
- Medical
- Power Distribution/Utilities
- Space
- Specialty Industries

Contact Us Today

Learn more about our products and how working with the iNRCORE family of companies can cost-effectively meet your timeline.

iNRCORE
Family of Brands

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RUGGED TO THE CORE

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