

# ENGINEERED TO TAKE FLIGHT



**iNRCORE**  
Family of Brands

High Performance Electronic Solutions  
**COMMERCIAL AEROSPACE INDUSTRY APPLICATION**

## COMMERCIAL AEROSPACE PROGRAM PARTICIPATION

When reliability and accuracy matters, Commercial Aerospace OEMs and service providers turn to iNRCORE for solutions that meet the highest quality requirements. We have supported everything from starter/generator control units, to fuel management systems, to inertial guidance systems, to lighting systems and communication navigation systems on some of the most popular commercial transport aircraft including Boeing and Airbus airliners in use every day. Custom & Standard Options and QPL & COTS versions are available for all iNRCORE solutions.

### BALUNS

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

### 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.

### FILTERS

Supporting varying levels of frequencies, RF and EMI filters are available for your aircraft needs.

### INDUCTORS

Available as power, planar, chip, RF, and shielded drum core with a focus on excellent performance in a small form factor.

### 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.

### TRANSFORMERS

Available in a diverse range including auto, current sense, ethernet, power, flyback, gate drive, planar, high-speed single & dual, and current sense transformers. In addition, iNRCORE offers the most complete QPL and Non-QPL MIL-STD-1553 transformers on the market with various packages, configurations and product testing levels.

### TRANSCIVER 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.

### Wide Body Aircraft

- Auto Transformer
- Power Inductor
- Planar Inductor
- Current Sense Transformers
- Thin Film Resistors
- RF Filter
- Ethernet Transformers
- Power Transformers
- Chip Inductors
- Current Sense Transformers



### Advanced Air Mobility

- Power Inductor
- EMI/RFI Filters
- Current Sense Transformers
- Flyback Transformers
- Gate Drive Transformers
- RF & Power Inductors
- Thin Film Resistors
- RF Filter
- Ethernet Transformers
- Transceiver Modules
- 1553 Signal
- Baluns



### Narrow Body Aircraft

- Auto Transformer
- Power Inductor
- Planar Inductor
- Current Sense Transformers
- Thin Film Resistors
- RF Filter
- Shielded Drum Core Inductors
- Current Sense Transformers



### Business Jets

- Auto Transformer
- Power Inductor
- Planar Inductor
- Current Sense Transformers
- Thin Film Resistors
- RF Filter
- Power Transformers
- Chip Inductors

### Helicopter

- Current Sense Transformers
- Gate Drive Transformer
- Flyback Transformer
- Auto Transformer
- Power Transformer
- Planar Transformer
- Thin Film Resistors
- RF Filter
- High-Speed Single & Dual Transformers
- Delay Line

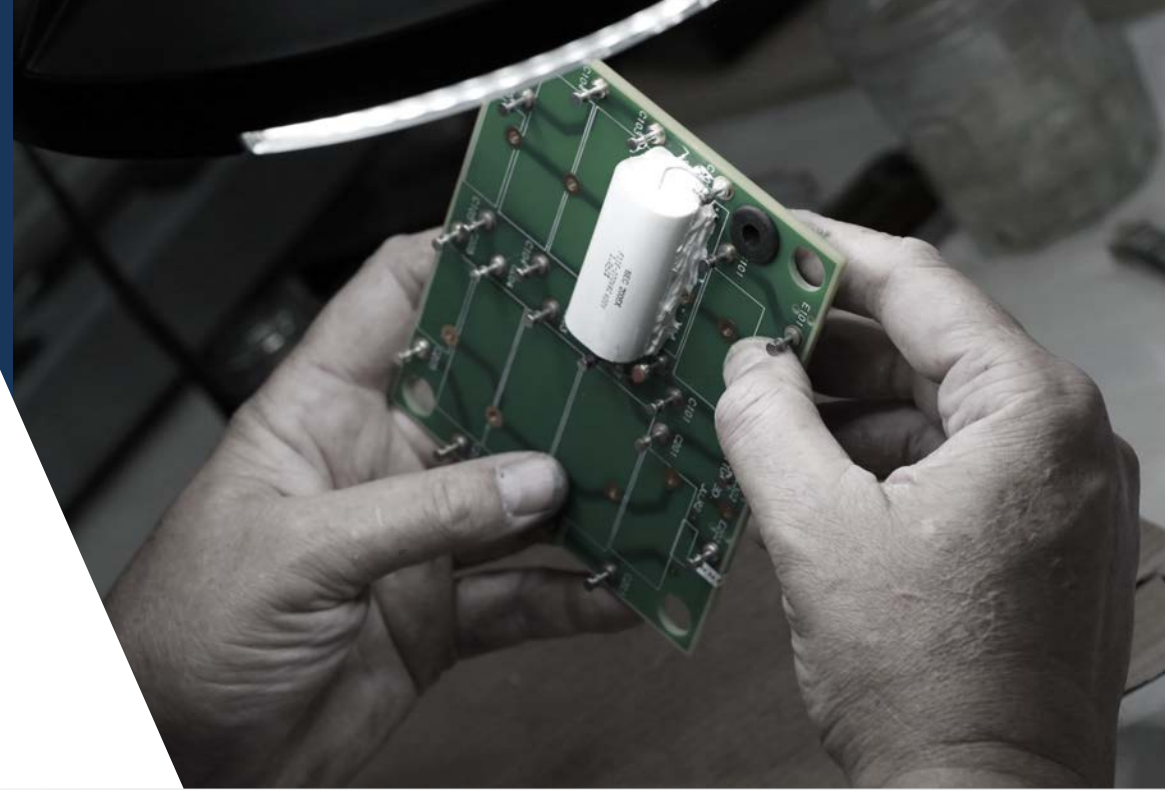


# UNMATCHED CAPABILITIES

## 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](http://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](http://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](http://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](http://gowanda.com)

### hisonic

#### HISONIC

Design and build-to-print transformers, inductors, and assemblies for mission critical applications.  
[hisonic.com](http://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](http://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](http://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](http://ve1.com)

# BREADTH OF EXPERTISE

## Supplying & Supporting the Commercial Aerospace Industry

The Commercial Aerospace industry, like many of the other high-reliability industries, depends on companies like iNRCORE to provide the best in technology as they transport passenger and critical cargo around the world. These products have to be dependable, capable, and ready to handle constant use, high vibration and tempos, while accommodating lighter weight needs of the aircraft.

- **Auxiliary Power Units**
- **Avionics**
- **Brake Controllers**
- **Cabin Fans**
- **Communication Systems**
- **Electrical Systems**
- **Engine Systems**
- **Flight Deck Controls**
- **Flight Recorders**
- **Heads-Up Displays**
- **Helmet Display Management Computers**
- **In-Flight Entertainment Systems**
- **Navigation and Flight Control**
- **Throttle Stick Controllers**
- **Weather Radar Systems**



# TRUSTED BY THE BEST

AIRBUS

BOEING

Collins Aerospace

DASSAULT AVIATION

GE Aviation

Honeywell

L3HARRIS  
FAST. FORWARD.

MOOG

ROLLS  
ROYCE

SAFRAN

THALES

WOODWARD



# 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

[inrcore.com](http://inrcore.com) [support@inrcore.com](mailto:support@inrcore.com) (215) 781-6400

**RUGGED TO THE CORE**

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