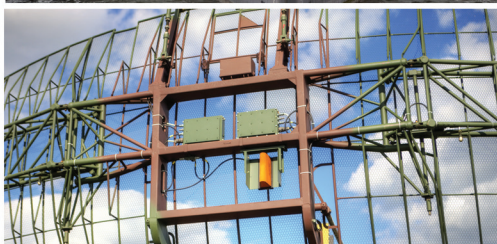




Giga-tronics
ASCOR



TEST IS CRITICAL





SPACE SYSTEMS MILITARY COMMUNICATIONS ADVANCED
LESS COMMUNICATIONS ADVANCED
FROM SIMPLE TO MISSION CRITICAL
MILITARY COMMUNICATIONS AND
TIONS ADVANCED AVIONICS MED



YOUR TEST NEEDS ARE UNIQUE

Combining the perspective of an industry-leading RF instrument and microwave component manufacturer with decades of switching experience under the ASCOR brand

GIGA-TRONICS CAN PROVIDE A SOLUTION THAT OPTIMIZES THE PERFORMANCE OF YOUR ENTIRE TEST SYSTEM.

COMMUNICATIONS AND RADAR WITH
ADVANCED AVIONICS MEDICAL DEVICES
INDUSTRIAL APPLICATIONS SPACE SYSTEMS
AND RADAR WIRELESS COMMUNICATIONS
MEDICAL DEVICES SPACE SYSTEMS

RF Interface Units, Signal Switching and System Integration for ATE

BENEFIT YOUR BOTTOM LINE

FOR OVER 30 YEARS, GIGA-TRONICS ASCOR HAS EXCELLED AS AN INDUSTRY LEADER IN THE AUTOMATED TEST AND MEASUREMENT COMMUNITY.

Whether you need to bring products to market faster or make your operations more efficient, we take the time to understand your business objectives and then recommend the best economic and technical solution for the application.

GET THE RIGHT SOLUTION FOR YOU

Giga-tronics ASCOR is not just in the business of providing “off-the-shelf” solutions. We are very experienced in tailoring an existing design or creating a new one to meet your requirements. We provide solutions for all types of use, from simple signal routing applications to mission critical programs.

FROM SIMPLE TO MISSION CRITICAL APPLICATIONS

We offer a full spectrum of experience with a long history of success in Space Systems, Military Communications and Radar, Wireless Communications, Advanced Avionics, Medical Devices, and more.

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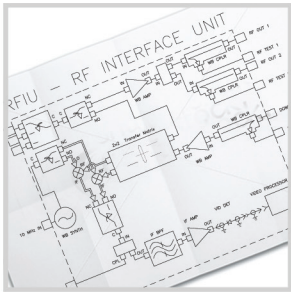


BENEFIT BOTTOM LINE

Giga-tronics is different from typical switching providers. Having 30 years of experience in microwave test equipment and microwave components, Giga-tronics is uniquely positioned to apply a total system perspective to ensure an optimally performing switching solution.

GIGA-TRONICS WILL DESIGN, BUILD, DOCUMENT, AND TEST AN RFIU

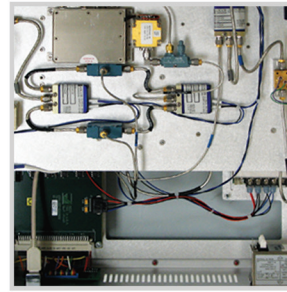
DESIGN



DOCUMENT



BUILD

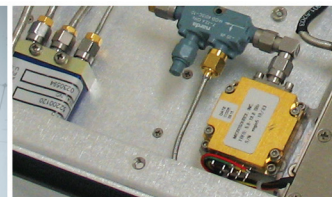


TEST



AN RF INTERFACE UNIT IS CENTRAL TO THE ATE SYSTEM

- + Signal conditioning (amplifiers, attenuators, circulators, filters, mixers...)
- + Frequency translation, up/down conversion
- + Phase-matching & delay-matching (for radar, antennas, high speed serial/signal integrity...)



LET US TAILOR A SOLUTION FOR YOU THAT MEETS THE KEY REQUIREMENTS OF YOUR SPECIFIC APPLICATION.

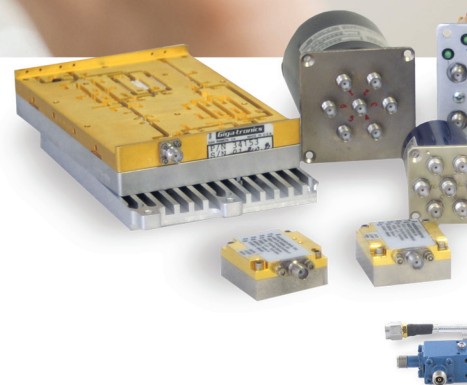
Whether it's a focus on [superior signal integrity](#), [extended reliability](#), or [global service-ability](#), Giga-tronics is a proven provider of products and services used in applications ranging from mission critical military/aerospace test to high volume consumer device manufacturing.





“The RFIU is probably the most overlooked and undervalued part of automated test system design. Even with the most sophisticated test instrumentation, the performance of a test system is only as good as the switching system routing the signals.”

—Jeffrey T. Lum
CTO



WE PULL FROM THE BEST TECHNOLOGY IN THE INDUSTRY

TO PROVIDE A STANDARD, TAILORED OR NEW SOLUTION
THAT BEST MEETS YOUR NEEDS.

- + Wide signal bandwidth and frequency ranges: DC to 50 GHz
- + Broad range of switch components SPDT-SP12T, Transfer & Star
- + Low-level through high-power signal handling capability
- + Integration of a wide variety of signal conditioning components
- + Hundreds of existing designs on multiple platforms: VXI, PXI, Ethernet, GPIB

OFTEN FROM PAPER TO PRODUCT IN AS LITTLE AS 4 WEEKS



RETHINK

A person wearing a dark suit jacket is shown from the chest down, holding a glowing yellow lightbulb in their cupped hands. The background is dark, making the lightbulb stand out as a central point of focus.

DO YOU HAVE THE EXPERTISE NECESSARY? DOES THE SOLUTION OVERCOME POTENTIAL COMPLICATIONS? CAN YOU IMPLEMENT IN TIME AND WITHIN BUDGET? WILL THE SYSTEM MAINTAIN OR DUPLICATE? CAN YOU BENEFIT FROM A PRIMARY FOCUS IS TEST SOLUTIONS? ARE WE

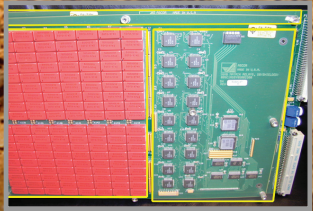
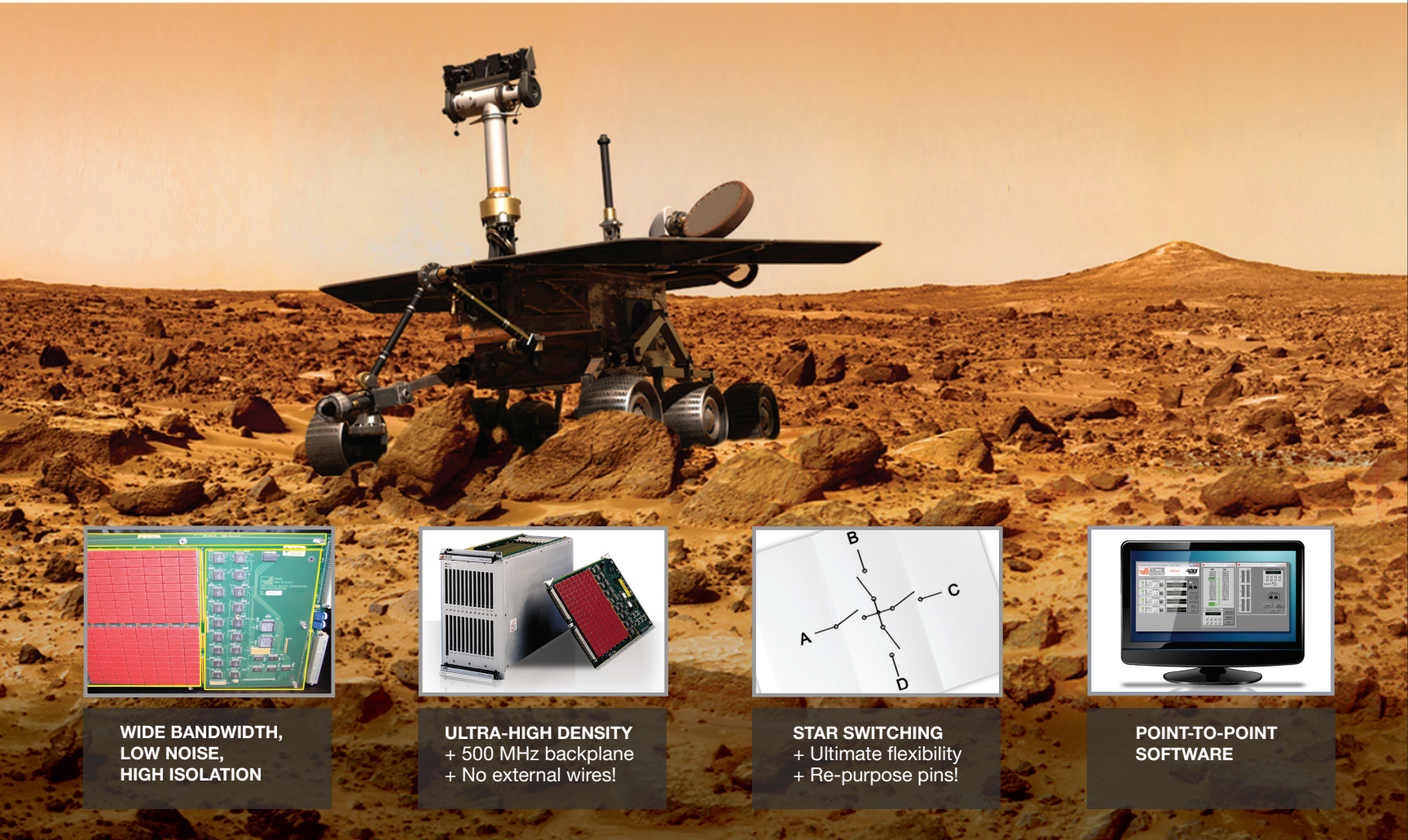
RETHINK DESIGNING YOUR OWN SWITCHING SOLUTIONS

Every business decision can be boiled down to one simple factor, ROI. Business is about profit. When making “make or buy” decisions, ask the question:

DOES YOUR TEST SYSTEM DRIVE REVENUE OR PROFIT OR WOULD RESOURCES BE BETTER SPENT ELSEWHERE?

More and more companies are electing to stick to their core competencies.

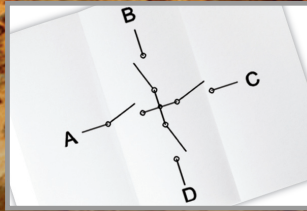
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OU COUNT ON THE PROJECT GETTING DONE
TEM BE SUFFICIENTLY DOCUMENTED TO MAI
M THE EXPERIENCE OF A COMPANY WHOSE
E SUFFICIENTLY STAFFED FOR THIS PROJECT



**WIDE BANDWIDTH,
LOW NOISE,
HIGH ISOLATION**



ULTRA-HIGH DENSITY
+ 500 MHz backplane
+ No external wires!



STAR SWITCHING
+ Ultimate flexibility
+ Re-purpose pins!



**POINT-TO-POINT
SOFTWARE**

GIGA-TRONICS PROVIDES SUPERIOR PERFORMANCE

+ Wide breadth of capabilities

+ Large variety of platforms

+ From cards to systems

WHY GIGA-TRONICS?

- + Proven track record with decades of experience
- + Breadth of offering
- + Superior performance
- + Customer partnership to tailor or design new solutions
- + AS9100

GIGA-TRONICS SUPPORTS MARS ROVER

Giga-tronics ASCOR's understanding of switching systems, and ability to quickly process special configurations, resulted in core changes to the system design and a critical test role in the Delta Rocket Program which delivered the Mars Rover.



WE SEE THE WHOLE PICTURE

RF & MICROWAVE TEST INSTRUMENTATION

Giga-tronics designs and manufactures best-in-class high-performance microwave signal generators, microwave power amplifiers, power meters and power sensors.

MICROWAVE SYNTHESIZER MODULES & SUBSYSTEMS

Giga-tronics' core technologies in microwave signal generation and filtering have enabled us to design unique integrated electronic assemblies including microwave synthesizer modules, integrated microwave front ends, ultra-low phase noise YIG oscillators and fast-tuning YIG filters.

SERVICE & SUPPORT

Giga-tronics has ISO-9001:2008 with AS9100 certification. Support services include application engineering assistance to help your team with integration and next-generation product and process technology.

ONLINE RESOURCES

Visit us at www.gigatronics.com for technical support and product information.

Technical Assistance
applications@gigatronics.com

Quotes, Order Assistance
or Demo Requests
inquiries@gigatronics.com

Contact us at
1-800-726-4442 *USA*
+1-925-328-4650 *International*





ARE WE SUFFICIENTLY STARTED FOR THIS T
RF & MICROWAVE TEST INSTRUMENTATION D
TO MICROWAVE SYNTHESIZER MODULES & S
SUBSYSTEMS WILL THE SYSTEM BE SUFFICI
GATE? CAN YOU BENEFIT FROM THE EXPERIE
IS TEST SOLUTIONS? SERVICE & SUPPORT ST

Whether your needs lie in test and measurement instrumentation, signal switching solutions or microwave subassemblies

GIGA-TRONICS ASCOR PROVIDES SWITCHING SOLUTIONS TO FIT YOUR NEEDS. CONTACT US TODAY

Why Struggle? When you think of RFIs and Signal Switching for ATE, think Giga-tronics ASCOR.

Visit us at www.gigatronics.com for **technical support and product information.**

E-mail applications@gigatronics.com for **technical assistance.**

E-mail inquiries@gigatronics.com for **quotes, order assistance or demo requests.**

Call toll 1-800-726-4442 (USA) or +1-925-328-4650 (International)

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