



HART MICROWAVE

Advanced RF & Microwave Solutions



GLOBAL TECHNOLOGY **PARTNERSHIPS**

FOR NEXT GENERATION ELECTRONIC SYSTEMS

HART MICROWAVE delivers advanced RF, Microwave, Optical, Power, and Interconnect solutions across India and Asia. Partnering with leading global manufacturers, we provide reliable components and engineering solutions for Defence, Aerospace, Telecom, and Industrial applications—backed by precision, innovation, and dedicated support.

ABOUT US



HART MICROWAVE is a technology driven organization committed to delivering world-class RF, Microwave, Optical, Power and Interconnect solutions to the Indian and Asian markets.

We partner with leading global manufacturers to bring innovative, reliable and mission-critical technologies closer to our customers.

We started with a mission: To bring world-class RF and Microwave technologies closer to Indian innovators. Today, HART MICROWAVE partners with leading global manufacturers to offer high-quality components, assemblies, and engineering solutions tailored for Defence, Aerospace, Telecom, and Industrial needs. Whether you're designing the next radar, communication link, or high-frequency system - we are here to empower your vision with precision, reliability, and dedicated support. Step in and see how we make technology work for you.



WHY HART MICROWAVE?



Strong Global Partnerships

Representing technology leaders across the globe.



Application Focused Solutions

Products engineered for demanding defence, space, telecom & industrial applications.



Quality & Reliability

World-class products ensuring performance and compliance.



Customer Centric Approach

End-to-end support from design in to delivery.



MISSION

To be the trusted marketing bridge connecting global RF/ Microwave technology leaders with Indian and Asian industries, delivering value-driven, localized and compliant solutions.



VISION

To precisely fulfill the critical needs of the Indian defence, aerospace, space, telecom and industrial sectors by bridging the gap between demand and global innovation through strategic partnerships.



CORE VALUES

Driven by innovation, integrity, and collaboration, we deliver reliable, customer-first solutions that strengthen India's strategic industries.



DEFENCE AND
AERONAUTICS



SPACE
ELECTRONICS



RADAR &
EW SYSTEMS



WIRELESS
INFRASTRUCTURE



MEDICAL
ELECTRONICS

RF MATERIALS • SPACE ELECTRONICS • ADVANCED MAGNETICS

WORLD-CLASS TECHNOLOGIES • TRUSTED PARTNERSHIPS • MISSION READY SOLUTIONS



High Performance RF & Microwave PCB Laminate Solutions

Industry leading manufacturer of advanced circuit materials for high frequency, high speed and high reliability electronic applications.



High Frequency Performance



Therma Management



Reliability & Consistency

PRODUCT PORTFOLIO

- RT/duroid® Laminates
- RO3000/RO4000 Series Laminates
- Power Electronics Materials
- Thermally Conductive Materials
- Ceramic Filled PTFE Laminates
- Custom Laminate Solutions

KEY APPLICATIONS

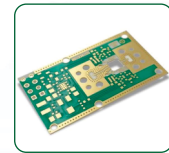
- Radar & EW Systems
- SATCOM Terminals
- Aerospace Avionics
- 5G Infrastructure
- High Speed Digital



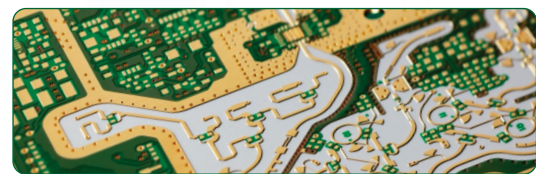
RT/duroid Laminates



RO3000/RO4000 Series



High Frequency PCBs



Power Electronics Materials



Advanced Space Electronics for Small Satellites

Leading supplier of ADCS and attitude determination sensors for CubeSats and small satellites with proven flight heritage.



Proven Heritage



High Precision Sensors



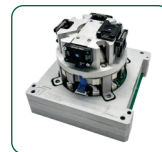
Space Qualified

PRODUCT PORTFOLIO

- ADCS Control Systems
- Reaction Wheels
- Star Trackers
- Sun Sensors
- Magnetorquers
- Integrated ADCS Solutions

KEY APPLICATIONS

- Small Satellites
- Earth Observation
- Communication Satellites
- Space Science Missions
- Technology
- Demonstration



ADCS-200



Integrated ADCS



ADCS



ADCS+Star Tracker



ADCS 10m-3U Cube Sat-integrated



CMG-40m Control Moment Gyroscope



FISCHER CUSTOM COMMUNICATIONS INC.



EMI/EMC SOLUTIONS

Providing advanced Test & Measurement equipment and custom EMP simulators since 1971, specializing in lightning EMP protection, Bulk Current Injection probes, fixtures, and pulse generators are the Key Products. proven flight heritage.



Protection Excellence



Test Precision



Mission Critical

PRODUCT PORTFOLIO

- Transient Voltage Suppressors
- EMP Test Systems
- Test Instruments
- Signal Generators
- Power Sensors
- Custom Test Solutions

KEY APPLICATIONS

- EMI/EMP Protection
- Radar & EW Systems
- Aerospace & Defence
- Test & Measurement



Bulk Current Injection Probes



BCI Probe Fixtures



150-50 Ω Adapters



Pulse Generators



Capacitive Voltage Probe



Surface Monitor Probes



Advanced Magnetics & Power Solutions

ESA Qualified Manufacturer of High Reliability Magnetic Components for Space, Defence and High Performance Applications.



ESA
Qualified



High Reliability
Magnetics



Power
Efficiency

PRODUCT PORTFOLIO

- Space Grade Inductors
- High Current Inductors
- Shielded Power Inductors
- Coupled Inductors
- Chokes
- Transformers



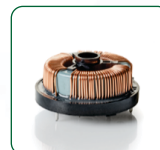
Booster Inductor



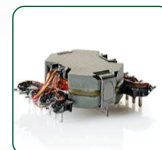
High Power
Inductor



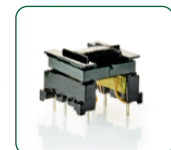
Torroid
Inductor



Chokes



Transformers



Resonants

KEY APPLICATIONS

- Space Electronics
- Satellite Power Systems
- Defence Electronics
- Aerospace
- Power Conversion

OPTICAL • RF CONNECTIVITY • MICROWAVE COMPONENTS

GLOBAL TECHNOLOGY PARTNERS DELIVERING INNOVATION THAT CONNECTS TOMORROWS NEEDS



Advanced Fiber Optic Interconnect Solutions

FOSTEC Korea and ADVANCED FIBER SOLUTIONS India together can provide Optical Interconnect solutions with D38999 connector housings and Expanded Beam connectors. Optical Interconnect accessories such as Power Meter, Fusion Splicer etc.



High
Reliability



Low Insertion
Loss



Rugged
Design

PRODUCT PORTFOLIO

- Fiber Optic Connectors
- Fiber Optic Cable Assemblies
- MPO Connectors & Harness
- Fiber Optic Adapters & Tools
- Custom Fiber Optic Solutions

KEY APPLICATIONS

- Aerospace & Defence
- Telecom & Data Center
- Satcom & Vsat
- Medical & Life Sciences
- Test & Measurement



Expanded Beam
Connectors



Optical connectors
in D38999



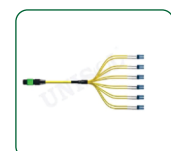
FC Type
Optical



MPO Connectors
Assembly



MPO to
FC Fiber



MPO-LC
Fan out



PCB Fabrication Solutions from Space qualified MIC Fabrication

Leading High Frequency (Microwave) Printed Circuit Boards manufacturer. ISMS-ISO/IEC 27001:2022 Certified facility. AS9100D Certified. LCSO & Space Approved Facility



High Performance



Broadband Solutions



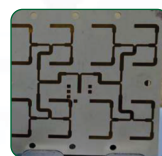
Custom Designs

PRODUCT PORTFOLIO

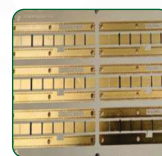
- PCB Fabrication-MIC & Thin Film
- High Frequency PCBs
- RF & Microwave PCBs
- Space Qualified PCB Solutions
- Custom PCB Solutions

KEY APPLICATIONS

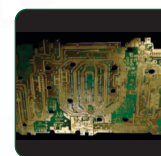
- Radar & EW Systems
- Aerospace & Defence
- Test & Measurement
- Telecom Infrastructure



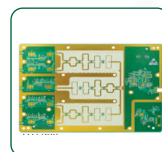
RT6010 + Rt6002



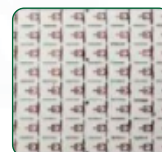
RT6035HTC MLB



TMM3



RT5880



RT5880 + RO3003 + RO4350B



Developing Machine



RF/ Microwave Solutions & Connectivity

Gigalane offers a comprehensive range of RF/Microwave products and connectivity solutions for high performance networks, test systems and next generation applications.



High frequency Expertise



5G/6G Solutions



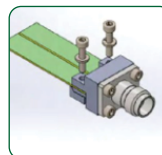
High Quality Components

PRODUCT PORTFOLIO

- RF/Microwave Products
- Microwave Cable Assemblies
- Connectors
- RF Connectivity Test Solutions
- Adapters
- Custom Solutions

KEY APPLICATIONS

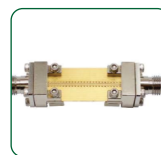
- 5G & Telecom
- Infrastructure
- Satcom & Vsat
- Radar & EW Systems
- Aerospace & Defence
- Test & Measurement
- Custom Solutions



Edge Mount Connectors



PCB Mount Connectors



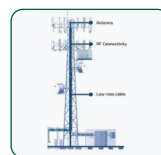
Edge Mount Solutions



Connectors up to 50GHz



Cable Assemblies



Antenna Products



RF Filters & Passive Microwave Components

Excel RF Tech specialises in the design and manufacture of high performance RF filters and passive microwave components for critical applications.



Reliable Performance



High Quality Components



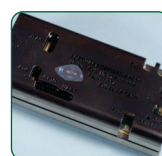
Custom Solutions

PRODUCT PORTFOLIO

- Band Pass Filters
- Tunable Filters
- Tubular Low Pass Filters
- Diplexer Filters
- Suspended Stripline High Pass Filters
- Power Dividers
- Test & Measurement
- Custom Solutions

KEY APPLICATIONS

- RF & Microwave Systems
- Communication Systems
- Radar & EW Applications
- Telecom Infrastructure Filters
- Power Dividers
- Test & Measurement
- Custom Solutions



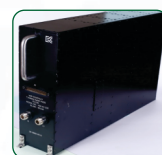
Sub-Systems & SDR



Amplifiers & LNAs



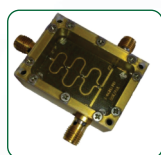
Antennas



Filters



Jammers



RF Components



Glass-to-Metal Sealing Solutions

Ambtech is a specialist in Glass-to-Metal Seals and Hermetic Feedthroughs for mission critical applications across multiple industries.



Glass to Metal Sealing



High Reliability



Proven Technology

PRODUCT PORTFOLIO

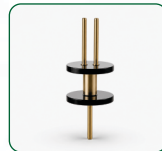
- Glass-to-Metal Sealing Packages
- Hermetic Feedthroughs
- Nuclear Power Feedthroughs
- Aerospace Connectors
- Defence Connectors
- Test & Measurement

KEY APPLICATIONS

- Transistor Packages
- Quartz Crystal Packages
- Diode Housings
- Automotive Engine and Chassis
- Airbag Ignition Feedthrough
- Connectors for Aerospace and Defence



Aerospace Connectors



Hermetic Feedthroughs



Nuclear Power Feedthroughs



Hermetic Sealed Connector



Hermetic Header



Ceramic-to-Metal Seals



Chip to Fielded Systems

Vertically integrated RF platforms, from proprietary chip technology to fielded systems, for Defence, Communications and Autonomous technologies.



Field it



Integrate it



Co-develop

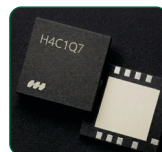
PRODUCT PORTFOLIO

- Beamforming Chipsets
- 5G/6G Chipset
- Proprietary Silicon
- Antenna-in-Package
- High-Speed Connectivity Modules
- Power Amplifiers
- Transceivers
- Front ends Etc.

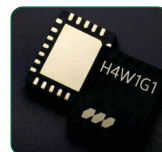
KEY APPLICATIONS

- Airborne infrastructure
- Tactical RF
- Multi-band Radios
- 5G and 6G FR1/FR2 with MIMO and Beamforming

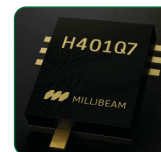
Power Amplifiers



H4C1Q7



H4W1G1



H401Q7

Antenna-in-Package (AiP)



H8X1G9fVB



H8X1G9fVE



H8QR1G9fVB

INDUSTRIES WE SERVE



DEFENCE



AERONAUTIC



SPACE



SATCOM



RESEARCH CENTERS



TELECOM

OUR PROMISE

- Global Technology Partnerships
- Application Focused Solutions
- Quality You Can Trust
- On-Time, Every Time
- Mission Ready Support

OUR GLOBAL TECHNOLOGY PARTNERS



GLOBAL
TECHNOLOGY
PARTNERS



PREMIUM
QUALITY
SOLUTIONS



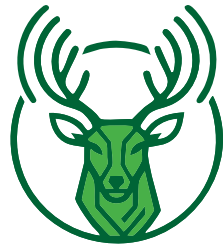
CUSTOMER CENTRIC
ENGINEERING
SUPPORT



RELIABLE
PERFORMANCE
ASSURED



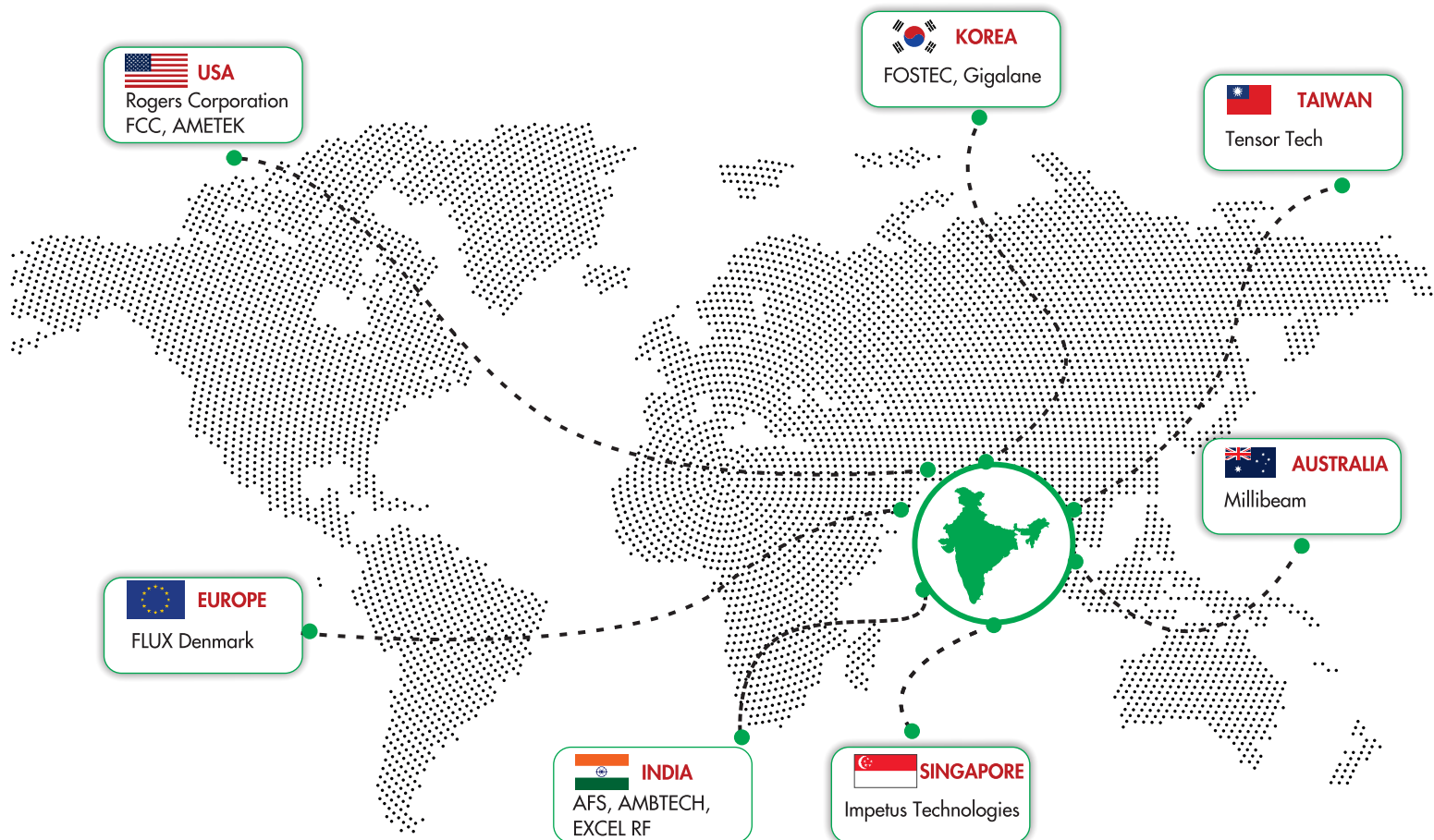
ON TIME
DELIVERY
WORLDWIDE



HART MICROWAVE

Advanced RF & Microwave Solutions

Global Technology Partners: Connecting Global Expertise with Indian Excellence.



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CONNECT WITH US

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