

ADVANCED RF & MICROWAVE TECHNOLOGY EXPERTISE

VIKING TECHNOLOGY | A PRODUCT DIVISION OF SANMINA

Viking Technology is a global technology leader in the fields of RF, Optical, Microelectronics and Memory technologies. With over 25+ years of experience in Engineering, Design, Manufacturing and Test, Viking Technology has led some of the most leading-edge OEM solutions for the embedded/industrial, medical, telecommunications, and military/aerospace markets.

Viking Technology's engineering services, design, and expertise also support strategic partner engagements to enable customized end-to-end solutions not found anywhere else. With time-to-market technologies, Viking Technology has all the tool sets and capabilities to take your paper napkin notes and turn them into high-end products.

Your Strategic Partner in RF, Optical, & Microelectronic Design.

VIKING TECHNOLOGY SOLVES INDUSTRIES TOUGHEST CHALLENGES WITH:

High frequency & high bandwidth
signal interconnections
(including E-band)

High frequency system design
including radio, radar & test equipment

RF/Microwave & optical
module integration

High speed, RF & Optical
test systems

High density micro-electronic
interconnection & packaging

Advanced product solutions to
Communication, Defense, Aerospace,
Industrial & Medical

COMPLETE MULTI-DISCIPLINARY PRODUCT SOLUTION

- ▶ System Architecture
- ▶ Schematic Capture and Layout
- ▶ 3D simulations, transitions, cavity modes, antennas, power supplies, decoupling networks (HFSS, ADS, Empire, Momentum)
- ▶ Mechanical design, Thermal, Shielding (Solidworks, Ansys)
- ▶ Micro-Electronics and SMT process engineering

SUPPORTING ALL PRODUCT DEVELOPMENT PHASES

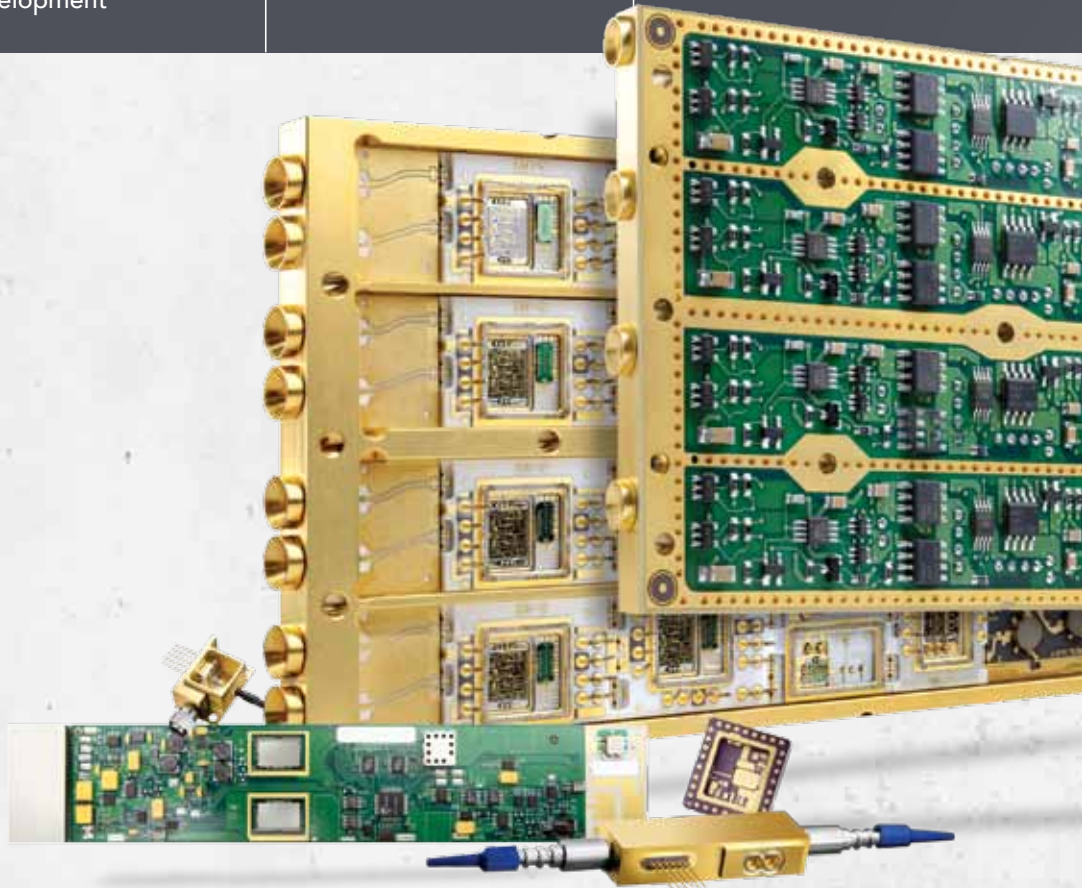
- ▶ Requirements definition, specifications, architecture
- ▶ Link Budget & Cascaded analysis
- ▶ Feasibility analysis
- ▶ Detailed design and prototyping
- ▶ Reliability analysis & Product qualification
- ▶ System Integration, Verification, Test Development
- ▶ NPI & volume manufacturing
- ▶ Environmental Compliances & Certifications

THE VIKING TECHNOLOGY ADVANTAGE

- ▶ High Frequency Design & Interconnect
- ▶ Design for Volume Manufacturing & Test
- ▶ Advanced Materials & Substrates
- ▶ Antenna Design
- ▶ RF & EM Modeling
- ▶ Link Budget Analysis
- ▶ Mix of PCB & Microelectronic Technologies
- ▶ Signal Integrity & Channel Analysis
- ▶ Materials & Substrates
- ▶ RF & OE Performance Optimization
- ▶ Design for Yield Cost Control
- ▶ Opto-Electronic Integration
- ▶ Thermal Modeling & Design
- ▶ Design for Volume Manufacturing

YOUR PARTNER IN RF, OPTICAL & MICROELECTRONICS DESIGN

Integrated RF & Optical Solutions Beyond 40GHz	Miniaturization & Optimization of Free-Space Optical Environment	High-Speed RF Modeling, Analysis & Simulation	High-Speed RF/Optical Packaging Design
Components, Modules, Blade Solutions	High Speed Electro-Optical Test Systems Development	Integrated RF & Optical Components	High Frequency Array Interconnections



Global Locations

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