



LTCC from A to Z

- > Turnkey solution: design, build, test, ship
- > State-of-the-art LTCC manufacturing infrastructure
- > Industry-leading experts
- > Robust experience in multiple sectors: Space, defense, wireless, healthcare (DC - 44GHz)
- > Wide range of solutions:
 - Custom circuit boards
 - Hybrid integrated circuits
 - Filters
 - RF/microwave distribution
 - Integrated Microwave Assemblies (IMAs)
 - And more

Your turnkey LTCC supplier.

Whatever you require in an LTCC supplier, the ceramics specialists at Anaren's Space & Defense Unit will address your needs from A to Z. Building on our proven record of successful innovation in the ceramics arena – and fully committed to and vested in LTCC as a breakthrough technology – Anaren offers you an engineering-rich, manufacturing-savvy LTCC solution that is truly turnkey. In other words, we've made the mastery of LTCC *our* mission, so you can more completely concentrate on *yours*.



The solutions you need

Whether your project requires a high-density LTCC circuit with embedded components or an Integrated Microwave Assembly (IMA) – Anaren stands ready to make your vision a reality with an exacting build-to-print or custom-designed solution.

Our experience includes:

- > Frequency generation/sources
- > Packaging for next-gen receiver and exciter modules (BGA, flip chip, etc.)
- > High performance filtering
- > And more... just ask!



The infrastructure to make it happen

Anaren has invested aggressively in the tools, systems, and people necessary to offer you complete LTCC services. Among our assets:

- > A robust modeling and concept-testing software library
- > Convenient design guides and specifications to aid the development process
- > State-of-the-art Baccini LTCC manufacturing systems – compatible with DuPont, Ferro, and Heraeus materials
- > High-precision, high-speed BGA soldering systems
- > 100% electrical, environmental, and thermal testing to Mil-specs
- > Class 10,000 clean room



And the support you can count on

Anaren prides itself on exemplary service at all points in the process.

R&D – At the design and development stage, you'll benefit from a multi-disciplinary team of degreed engineers, affording you world-class expertise in RF and microwave circuit design, materials, mechanicals, and manufacturing

Project management – At the onset of your project, you will be assigned a dedicated and experienced project manager who will drive deliverables, including schedules and financial controls

Optimum accessibility – And all along the way, Anaren remains accessible to you, ensuring your project is running smoothly and in accordance with your expectations

Arrange for your free project assessment and quote today

As a first test of our ability to understand, and respond to, your toughest LTCC challenge – call one of our Space & Defense Unit business development specialists today at 315-432-8909 for a free, no-obligation briefing and project estimate.



Anaren®

What'll we think of next?®

800-544-2414 > www.anaren.com



More about Anaren: Space & Defense Unit

Anaren has been a valued supplier to the world's leading aerospace and defense primes for 40 years – where our proven expertise in RF and microwave engineering and manufacturing has played a critical role in terrestrial, maritime, airborne, and space-based radar, communications, and EW programs. Of additional benefit where size reduction, performance, materials know-how, and cost containment are concerned – Anaren is also a world-leading innovator of standard and custom RF and microwave technology for the wireless sector. Learn more about Anaren (NASDAQ: ANEN) at www.anaren.com.



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Anaren®

What'll we think of next?®

800-544-2414 > www.anaren.com

Anaren, Inc.

6635 Kirkville Road

East Syracuse, NY 13057

Tel: 315-432-8909

Toll free: 800-544-2414

Email: space&defensemktg@anaren.com