



Communications Market Products and Applications

CTS Corporation provides a variety of electronic components for the information technology and telecommunications market. These can be found in macro cell base stations, small cell base stations, satellite communication systems, back-haul communication applications, and wireless and wireline infrastructure. CTS' innovation in the information technology and telecommunications markets supports market sector trends such as low-power consumption, smaller form factors, increasing bandwidth demand, and the internet of things (IoT).



EMC & EMI Filters

EMC is fundamental to telecommunications, enabling reliable signal transmission, multi-band operation, regulatory compliance, and interference-free performance in dense, high-frequency network environments. CTS offers a diverse product line of standard as well as custom filters to suppress Electromagnetic Interference (EMI) / Radio Frequency Interference (RFI), thereby providing customers with a wide range of Electro Magnetic Compatibility (EMC) solutions.



Switches, Controls, and Position Sensors

Switches and controls are essential to the operation, configuration, and protection of telecommunications networks and equipment. They provide reliable human-machine interaction and system control across infrastructure that must operate continuously. CTS builds components to last repeatable deployments with performance over extended periods of time.



Frequency Control Products

CTS has a long history of providing reliability, quality, exceptional stability, low jitter, and low phase noise performance in frequency control products. We have innovations in high-performance jitter attenuators, frequency translators, tight-stability and low-power OCXOs, and high-frequency reference clocks. We offer a wide-ranging, diverse product portfolio of standard industry form factors down to the smallest sizes and custom solutions from our engineered product platforms.



RF Filters

CTS designs high-end radio filters to either block out or filter specific frequencies for clear and safe communication. Our filters are used throughout communication systems to protect sensitive electronics, manage interference, and ensure reliable performance in contested electromagnetic environments.

Aerospace and Defense Market Applications

Cellular infrastructure

4G/5G/6G base stations and small cells

Routers, switches, and network equipment

Fiber-optic and microwave communication systems

Satellite and wireless backhaul equipment

Fixed wireless access

Private and enterprise wireless networks

Data center interconnects

High-speed serial interfaces

Timing references for PHY devices

Satellite transceivers

Ground stations

Space-based communication payloads

Navigation signal timing

Network synchronization

SyncE, PTP, GNSS

Mobile network handoff coordination

Distributed systems requiring phase alignment

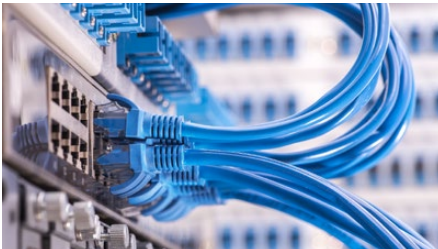
Wireless backhaul and fronthaul systems

Satellite transceivers and payloads

Ground stations and user terminals

Military and commercial SATCOM systems

Field diagnostics equipment



Foundational Manufacturing and Engineering

CTS Corporation has supported the communications market since its founding. As one of the first companies to commercialize quartz crystal technology for electronic applications in 1942, CTS has built a legacy of innovation rooted in precision and reliability. Today, we continue that commitment by delivering differentiated, high-performance frequency control, RF filtering, EMC, and sensing solutions.

We enable manufacturers to achieve dependable signal integrity, accurate timing, and consistent performance across the world's most demanding communications platforms.

Contact Information

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