

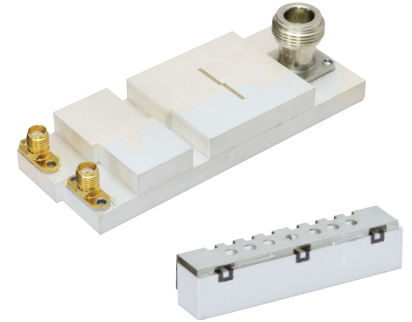
# Electronic Component Product Lines

CTS Corporation is a leading designer and manufacturer of sensors, actuators and electronic components to OEMs in the aerospace, communications, defense, industrial, information technology, medical and transportation markets. CTS manufactures products in North America, Europe and Asia.

## RF Filters

As the inventor of the ceramic monoblock, CTS has unique intellectual property which enables us to deliver the best ceramic RF filters with the lowest insertion loss (IL), highest attenuation/rejection/isolation, highest Q-factor, smallest size for specified performance, highest power handling (average and peak) and sharpest transition slope.

- » Duplexers
- » Bandpass Filters
- » Diplexers
- » RF Delay Filters



## Frequency Control Products

CTS has a long history of providing reliable and exceptionally stable frequency control products; boasting low jitter and low phase noise. We offer a diverse product portfolio of standard industry form-factors as well as custom solutions from our engineered product platforms to meet your specific needs.

- » Crystals
- » Clock Oscillators
- » OCXOs
- » TCXO/VCTCXOs
- » Timing Modules
- » VCXO/VCSOs
- » Jitter Attenuators



## EMI/RFI Filters

CTS' Tusonix product line leads the EMI/RFI filter industry. Offering a diverse portfolio of standard as well as custom filters to suppress electromagnetic interference (EMI)/radio frequency interference (RFI), CTS provides customers with a wide range of electro magnetic compatibility (EMC) solutions. Our standard feed-thru products include press-in, solder-in, and a range of both English and metric threaded bushing products.

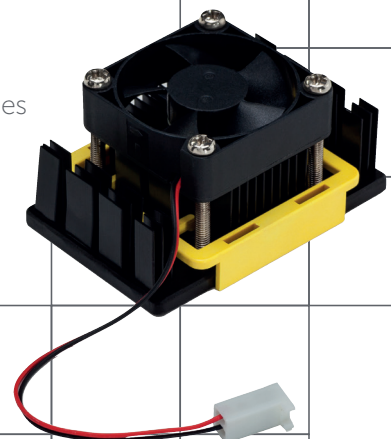
- » Feed-Through Filters
- » Surface-Mount
- » Customized Filter Assemblies



## Thermal Solutions

CTS offers an assortment of thermal solutions, ranging from standard products to custom solutions with individualized CFD simulation technical support. CTS provides solutions for FPGAs, LED lighting, power supplies and more.

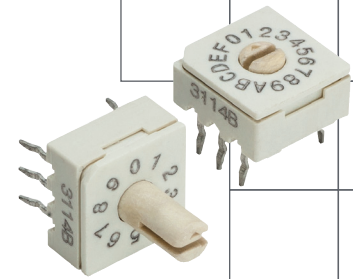
- » Heatsinks
- » Thermal Interface Materials
- » ZIF PC Board Retainers
- » Custom Heatpipe/sink Assemblies



## Switches and Controls

CTS is not only recognized as a leader in switch design and manufacturing, but also offers an extensive line of reliable, high-performance electromechanical components including encoders, sensors, potentiometers and trimmers. CTS' design and manufacturing expertise combined with unmatched quality and customer service allows us to provide products that are at the forefront of our industry. In addition to standard models, custom designs are available which are tailored to the needs of specific applications.

- » DIP Switches
- » Rotary DIP Switches
- » Rotary Selector Switches
- » Tactile Switches
- » Variable Resistors/Potentiometers
- » Trimmer Potentiometers
- » Encoders
- » Mini-Joysticks



## Piezoelectric Products

CTS offers high-performance piezoelectric products for a wide range of applications. Available in a variety of material compositions including standard-density (97%) and high-density (>99.5%) formulations, these piezoelectric products can be produced in large-format wafers in large quantities to support the highest-volume production applications. CTS is capable of manufacturing and machining piezoelectric ceramic products using bulk and tape cast processing methods as well as piezoelectric single crystal materials.

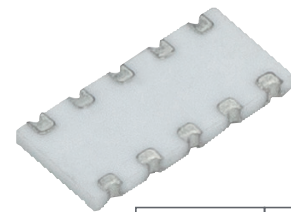
- » Bulk Manufacturing
- » Single Crystal Growth
- » Tape Cast Processing



## Specialty Resistors

CTS' resistor networks and RC terminations are low-cost resistor solutions for standard and custom circuit topologies; including isolated and various bussed configurations. Our chip resistor arrays help save space and assembly cost with fewer placements than discrete components. CTS' specialty resistor product line also includes extremely low resistance value components for current sensing applications and extremely high resistance value components for instrumentation and sensing applications.

- » Current Sense Resistors
- » Resistor Networks & RC Terminations
- » Ultra-High Resistance



## Specialty Capacitors

CTS has more than 30 years of experience in the delivery of trimmer/variable capacitors as well as fixed-value ceramic disk capacitors and WEECON capacitors. These families of capacitors are available in temperature compensating fixed capacitor varieties with a choice of slope compensation options.

- » Variable Capacitors
- » Ceramic Disc Capacitors
- » WEECON Capacitors

