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Connectors for Industrial & Instrumentation Applications  
Known for innovative high-speed and power connector designs, FCI offers an extensive range of reliable interconnect solutions and outstanding technical support for industrial applications.



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RESONATOR TECHNOLOGY

**IC makers recommend our Resonators for high Speed USB 2.0 controllers**

Murata's CSTCE-XK ceramic resonators have been approved by Cypress, SMSC, NXP and NEC Electronics for use with ICs in their USB controllers, microcontrollers and Transceivers.

They are also compatible with many other manufacturer's ICs.

Features

- Recommended/proven by IC manufacturers
- Auto processing
- Small and space saving
- Light and low profile
- Fast rise time
- Support freq. range 24MHz to
- 26MHz, and 30MHz to 48
- Economic

Applications

- Optimised for Highspeed USB
- Compatible with other ICs



RESONATORS

**Lose Crystal Oscillators**

Ceramic resonator stability has been getting progressively closer to that of crystal oscillators (XO). Our CSTCE-SK now replaces +/- 500ppm types.



OSCILLATOR TECHNOLOGY

**Replace crystal oscillators in auto applications**

We all know the problems with crystals oscillators! Slow starting, big and heavy, don't like the bumps, drive level problems, need a tank circuit; pricey. They used to have one advantage over ceramic resonators ---- frequency tolerance. That hasn't been entirely true for awhile now.

Features

- Tight tolerance- and improving
- "Instant" start-up
- Mechanical shock resistant
- Small and light No tank circuit
- Low power consumption
- Competitive prices

Applications

- RKE Power windows
- Climate control Cooling system
- Most electrically operated controls
- ECU Pre-crash sensor
- Air bag units Cruise control
- ABS TPMS system

Features

- XO stability - Faster rise-time
- No external load capacitor
- Reduced size (3.2x1.3x1.1mm)
- Lighter ■ Low profile
- Competitive price

Applications

- This design is specifically for high-speed USB applications.



**CONVERTITORE ANALOGICO-DIGITALE A 12 BIT, 8 CANALI, A BASSO CONSUMO CON INTERFACCIA I2C COMPATIBILE**

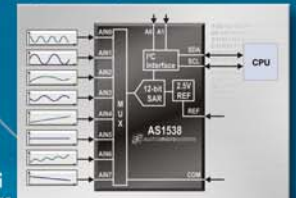
Il circuito integrato AS1538 è caratterizzato dal più basso consumo combinato con la massima velocità possibile per un'interfaccia I2C.

**12-bit, 55kps I2C A/D Converter**



Caratteristiche

- basso consumo (operativo 850 µA, standby 1,5 µA)
- risoluzione (12 bit), canali di ingresso analogici (4 differenziali o 8 singoli)
- velocità di conversione (50kps/canale)
- prestazioni dinamiche eccezionali (THD -75dB)
- massima velocità per bus I2C (3,4 MHz) programmabile fino a 4 dispositivi
- ideale per applicazioni a batteria (2,7 fino a 5,25V)
- riferimento interno (2,5V) o esterno (1V fino a 5,25V)
- Temperatura -40°C e +85°C
- package compatto a 16 pin (TSSOP)



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L'UNIONE FA LA FORZA!

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