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# Technological Arts Inc.

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## MC9S12C32 MCU 48-pin QFP

USD \$17.00



- \* 8-channel 10-bit ADCs
- \* 6-channel PWM
- \* 8-channel timer
- \* SCI
- \* SPI
- \* CAN 2.0 module
- \* 32K Flash
- \* 2K RAM
- \* 31 I/O pins
- \* -55 to + 125 deg C
- \* 25MHz bus speed

**IMPORTANT!** This is a fine-pitch surface mount chip. Make sure you have the expertise/tools to properly mount this chip before ordering it. We will not accept returns on this product!

### Product Details

Based on Freescale's market-leading flash technology, members of the MC9S12C-Family deliver the power and flexibility of the 16 Bit core (CPU12) family to a whole new range of cost and space sensitive, general purpose Industrial and Automotive network applications. MC9S12C-Family members are comprised of standard on-chip peripherals including a 16-bit central processing unit (CPU12), up to 128K bytes of Flash EEPROM or ROM, up to 4K bytes of RAM, an asynchronous serial communications interface (SCI), a serial peripheral interface (SPI), an 8-channel 16-bit timer module (TIM), a 6-channel 8-bit pulse width modulator (PWM), an 8-channel, 10-bit analog-to-digital converter (ADC) and up to one CAN 2.0 A, B software compatible module (MSCAN12). The MC9S12C-Family has full 16-bit data paths throughout. The inclusion of

a PLL circuit allows power consumption and performance to be adjusted to suit operational requirements. In addition to the I/O ports available in each module, up to 10 dedicated I/O port bits are available with Wakeup capability from STOP or WAIT mode.

- [MC9S12C Family Product Brief](#)
- [MC9S12C Webpage](#)

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[Vendor Information](#)