

Welcome to E-XFL.COM

What is "Embedded - Microcontrollers"?

"Embedded - Microcontrollers" refer to small, integrated circuits designed to perform specific tasks within larger systems. These microcontrollers are essentially compact computers on a single chip, containing a processor core, memory, and programmable input/output peripherals. They are called "embedded" because they are embedded within electronic devices to control various functions, rather than serving as standalone computers. Microcontrollers are crucial in modern electronics, providing the intelligence and control needed for a wide range of applications.

Applications of "<u>Embedded -</u> <u>Microcontrollers</u>"

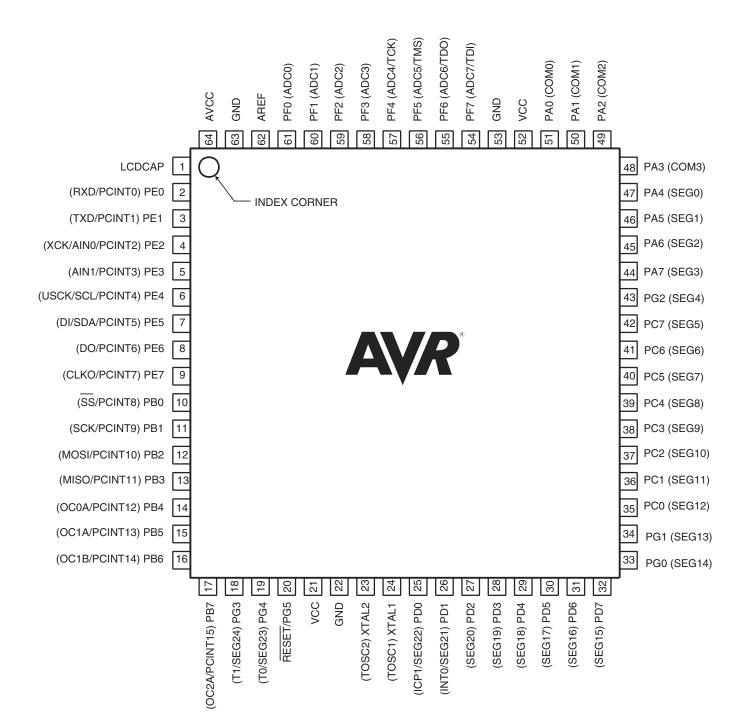
Details

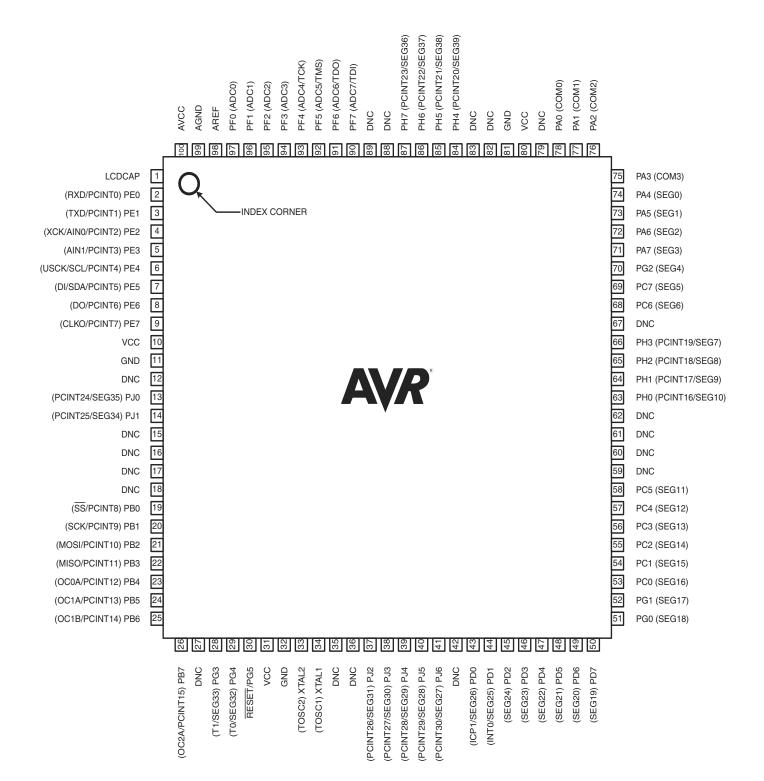
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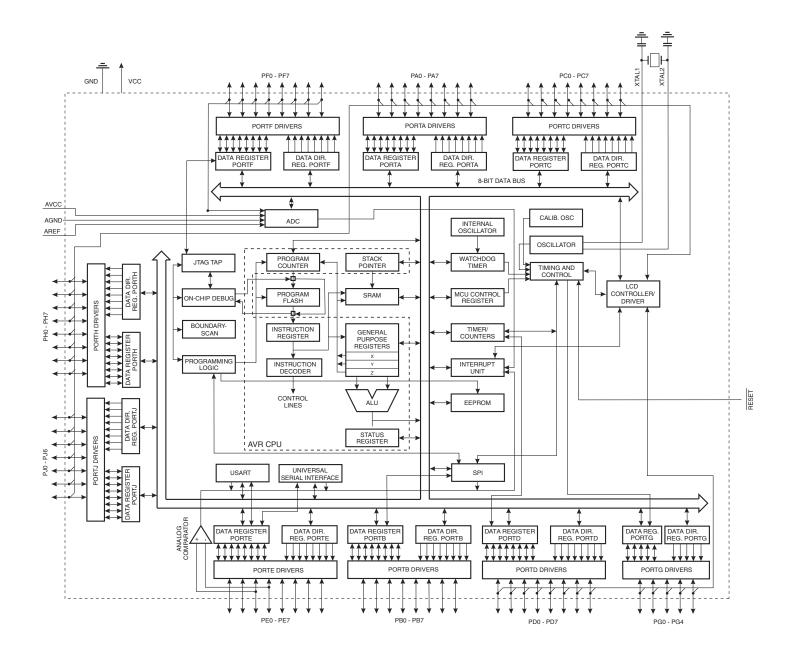
| Product Status | Active |
|----------------------------|--|
| Core Processor | AVR |
| Core Size | 8-Bit |
| Speed | 10MHz |
| Connectivity | SPI, UART/USART, USI |
| Peripherals | Brown-out Detect/Reset, LCD, POR, PWM, WDT |
| Number of I/O | 54 |
| Program Memory Size | 32KB (16K x 16) |
| Program Memory Type | FLASH |
| EEPROM Size | 1K x 8 |
| RAM Size | 2K x 8 |
| Voltage - Supply (Vcc/Vdd) | 1.8V ~ 5.5V |
| Data Converters | A/D 8x10b |
| Oscillator Type | Internal |
| Operating Temperature | -40°C ~ 105°C (TA) |
| Mounting Type | Surface Mount |
| Package / Case | 64-VFQFN Exposed Pad |
| Supplier Device Package | 64-QFN (9x9) |
| Purchase URL | https://www.e-xfl.com/product-detail/microchip-technology/atmega329pv-10mn |

Email: info@E-XFL.COM

Address: Room A, 16/F, Full Win Commercial Centre, 573 Nathan Road, Mongkok, Hong Kong







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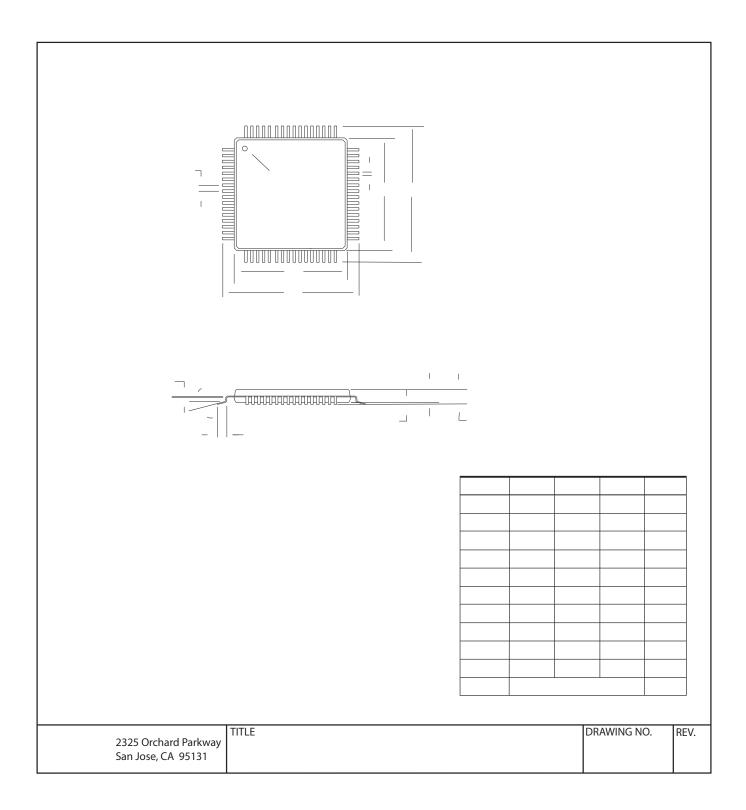
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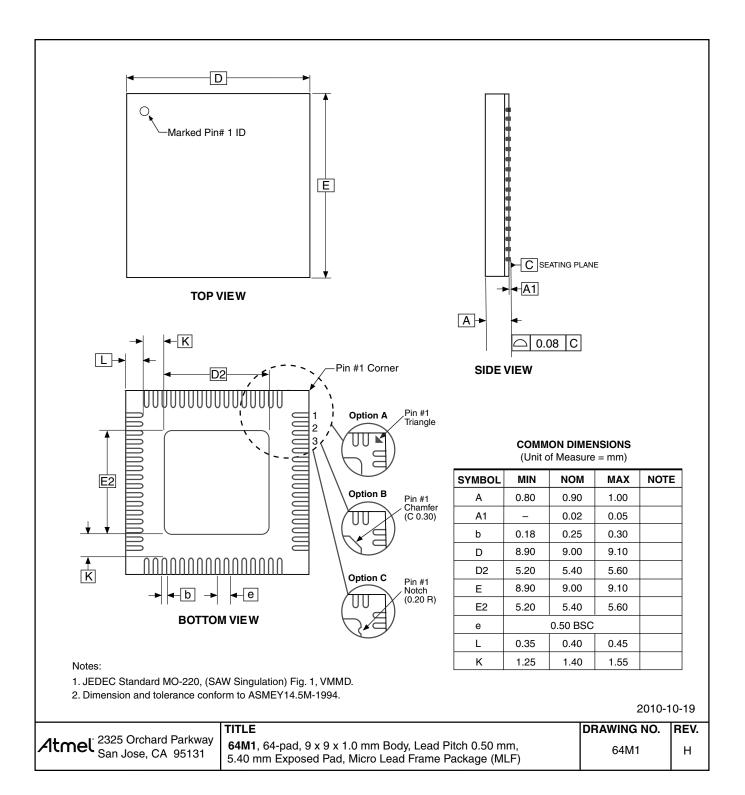
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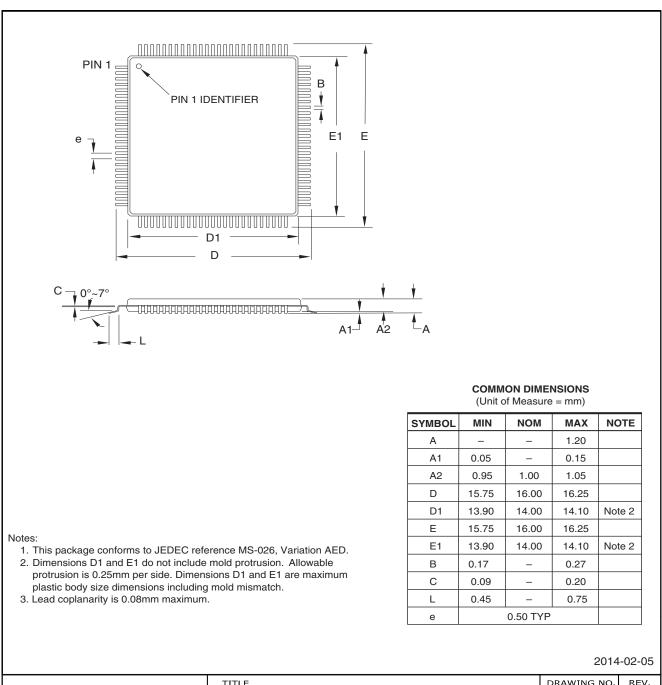
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| | TITLE | DRAWING NO. | REV. | |
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| れたので ^{Package Drawing Contact:} packagedrawings@atmel.com | 100A , 100-lead, 14 x 14mm Body Size, 1.0mm Body Thickness, 0.5mm Lead Pitch, Thin Profile Plastic Quad Flat Package (TQFP) | 100A | E | |