

View Online at <https://aerobasegroup.com/nsn/5962-01-642-8847>

**liilength:**

16.00 millimeters

**liiheight:**

1.20 millimeters

**liiwidth:**

16.00 millimeters

**Body Length:**

14.00 millimeters

**Body Width:**

14.00 millimeters

**Operating Temperature Range:**

-40.0 to 85.0 degrees celsius

**Inclosure Configuration:**

Quad-in-line

**Product Name:**

100 mips, 128 kb flash, 10-bit adc, mixed signal mcu

**Microcircuit Device Type And Quantity:**

1 memory

**Voltage Rating And Type Per Characteristic:**

3.6 volts total supply

**Memory Device Type:**

Ram

**Special Features:**

8 external programmable inputs; programmable amplifier gain; data dependent windowed interrupt generator; built-in temp sensor; 2 comparators; internal voltage reference; monitor/brown-out detector; on-chip jtag debug and boundary scan which is ieee1149.1 compliant; high-speed 8051 core; 8448 bytes data ram; external parallel data memory interface; 64 ports i/o, hardware smbus, spi and 2 uart serial ports, programmable 16bit counter/time array with 6 capture/compare modules; 5 general-purpose 16-bit counters/timers; dedicated watchdog timer-bidirectional reset; real-time clock mode using timer 3 or pca; clock sources-internal oscillator, on chip programmable pll and external oscillator

**Terminal Type And Quantity:**

100 pin

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fiig:**

A458a0