

View Online at <https://aerobasegroup.com/nsn/5962-01-372-3249>

**Body Length:**

Between 0.765 inches and 0.785 inches

**Body Width:**

Between 0.180 inches and 0.200 inches

**Body Height:**

Between 0.290 inches and 0.310 inches

**Maximum Power Dissipation Rating:**

22.0 milliwatts

**Operating Temperature Range:**

-55.0/+125.0 degrees celsius

**Storage Temperature Range:**

-65.0/+150.0 degrees celsius

**End Application:**

Milstar

**Features Provided:**

Hermetically sealed and burn in, mil-std-883, class b and electrostatic sensitive and low power and monolithic and radiation hardened and schottky and tested to mil-std-883

**Inclosure Material:**

Ceramic

**Inclosure Configuration:**

Dual-in-line

**Output Logic Form:**

Transistor-transistor logic

**Input Circuit Pattern:**

Quad 2 input

**Design Function And Quantity:**

4 gate, and

**Case Outline Source And Designator:**

D-1 mil-m-38510

**Terminal Surface Treatment:**

Solder

**Product Name:**

Microcircuit, digital, and gate, quad, 2 input

**Voltage Rating And Type Per Characteristic:**

4.5 volts total supply and 5.5 volts total supply

**Time Rating Per Characteristic:**

3.00 nanoseconds propagation delay time, high to low level output and 12.00 nanoseconds propagation delay time, high to low level output and 4.00 nanoseconds propagation delay time, low to high level output and 16.00 nanoseconds propagation delay time, low to high level output

**Special Features:**

Hci, esd, this item is qpl for 81349-m38510/37401bca

**Nuclear Hardness Critical Feature:**

Hardened

**Test Data Document:**

96906-mil-std-883 standard (includes industry or association standards, individual manufacturer standards, etc.)

**Terminal Type And Quantity:**

14 printed circuit

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fiig:**

A458a0