

View Online at <https://aerobasegroup.com/nsn/5962-01-286-2252>

**Body Length:**

0.840 inches

**Body Width:**

Between 0.220 inches and 0.310 inches

**Body Height:**

Between 0.140 inches and 0.185 inches

**Maximum Power Dissipation Rating:**

200.0 milliwatts

**Operating Temperature Range:**

-55.0/+125.0 degrees celsius

**Storage Temperature Range:**

-65.0/+175.0 degrees celsius

**End Application:**

Spruance class dd (963); virginia class cgn (41); aircraft, airlifter c-17a; arleigh burke class ddg' los angeles class ssn (688); ticonderoga class cg (47); nimitz class cvn; forrestal class cv; landing craft air cushion (lcac); kidd class ddg

**Features Provided:**

Hermetically sealed and burn in and monolithic and positive outputs

**Inclosure Material:**

Ceramic

**Inclosure Configuration:**

Dual-in-line

**Output Logic Form:**

Complementary-metal oxide-semiconductor logic

**Input Circuit Pattern:**

10 input

**Criticality Code Justification:**

Feat

**Design Function And Quantity:**

4 gate, and-or

**Case Outline Source And Designator:**

D-2 mil-m-38510

**Terminal Surface Treatment:**

Solder

**Product Name:**

Quad and-or-select gate

**Voltage Rating And Type Per Characteristic:**

-0.5 volts total supply and 18.0 volts total supply

**Special Features:**

Weapon system essential

**Test Data Document:**

81349-mil-m-38510 specification (includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical", "average", "", etc.).

**Terminal Type And Quantity:**

16 pin

**Specification Data:**

81349-mil-m-38510/53 government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fiig:**

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