

View Online at <https://aerobasegroup.com/nsn/5962-01-520-5507>

**Body Length:**

10.11 millimeters

**Body Width:**

4.01 millimeters

**Operating Temperature Range:**

-55.0/+125.0 degrees celsius

**End Application:**

C-17a

**Features Provided:**

Electrostatic sensitive and w/disable and w/enable and 3-state output

**Inclosure Material:**

Plastic

**Inclosure Configuration:**

Dual-in-line

**Output Logic Form:**

Emitter-coupled logic

**Input Circuit Pattern:**

Quad 3 input and 2 input

**Criticality Code Justification:**

Cbbl

**Design Function And Quantity:**

4 amplifier, differential

**Case Outline Source And Designator:**

Ms-012ac joint electron device engineering council

**Voltage Rating And Type Per Characteristic:**

6.5 volts power source

**Time Rating Per Characteristic:**

2.00 nanoseconds propagation delay

**Special Features:**

Quad differential output driver with psuedo-ecl output logic level and with common enable/disable control

**Special Test Features:**

Bdg1a16nb is 100 percent upscreened per para 3.1.1 of 89954-356a1407 to operate in temperatures of -55c to +125c.

**Test Data Document:**

89954-356a1407 drawing (this is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard or other document that may be referenced in a basic governing drawing)

**Terminal Type And Quantity:**

16 gullwing

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

A458a0