

View Online at <https://aerobasegroup.com/nsn/5962-01-520-7074>

**Overall Length:**

31.45 millimeters

**Overall Height:**

4.07 millimeters

**Overall Width:**

31.45 millimeters

**Body Length:**

28.1 millimeters

**Body Width:**

28.10 millimeters

**Body Height:**

0.50 millimeters

**Operating Temperature Range:**

-55.0/+125.0 degrees celsius

**End Application:**

C-17a aircraft

**Features Provided:**

Electrostatic sensitive and programmable and macrologic

**Inclosure Material:**

Plastic

**Inclosure Configuration:**

Flat pack

**Output Logic Form:**

Complementary-metal oxide-semiconductor logic and transistor-transistor logic

**Criticality Code Justification:**

Cbbl

**Design Function And Quantity:**

1 array, logic

**Case Outline Source And Designator:**

Ms-022-dd-1 joint electron device engineering council

**Product Name:**

Microcircuit, plastic encapsulated (surface mount) procurement and selection requirements (for pld 3750 gates)

**Voltage Rating And Type Per Characteristic:**

5.0 volts power source and -2.0 volts absolute input and 7.0 volts absolute input

**Capitance Rating Per Characteristic:**

10.00 input picofarads

**Special Features:**

3750 usable gates organized in 12 logic array blocks of 16 macrocells using eeprom based pld's, 124 inp/outp pins and 4 dedicated clock/output-enable/clear pins

**Special Test Features:**

Altera epm7192sqc160-7 is 100 percent upscreened per para 3.1.1 of dwg 89974-356a1407 by approved test facilities for operation through temperatures of -55c to +125c.

**Terminal Type And Quantity:**

160 gullwing

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fiig:**

A458a0