

AEROSPACE DATA EXCHANGE PROGRAM TRANSMITTAL

# PRODUCT CHANGE NOTICE



<b>1. TITLE</b> MICROCIRCUIT, MEMORY, DIGITAL, CMOS, 2MEG X 39-BIT (80M), RADIATION-HARDENED DUAL VOLATGE, SRAM, MULTICHIP MODULE		<b>2. DOCUMENT NUMBER</b> SPO-2012-PCN-0010	
<b>4. MANUFACTURER NAME AND ADDRESS</b> CAES 4350 CENTENNIAL BOULEVARD COLORADO SPRINGS, COLORADO 80907-3486		<b>3. DATE (Year, Month, Date)</b> 2012, OCTOBER, 04	
<b>8. CAGE CODE</b> 65342		<b>5. MANUFACTURER POINT OF CONTACT NAME</b> Mike Leslie	
<b>9. EFFECTIVE DATE</b> 2012, February, 15		<b>6. MANUFACTURER POINT OF CONTACT TELEPHONE</b> (719) 594-8148	
<b>12. BLANK</b>		<b>7. MANUFACTURER POINT OF CONTACT EMAIL</b> Mike.Leslie@cobhamaes.com	
<b>10. PRODUCT IDENTIFICATION CODE</b> QS14		<b>11. BASE PART</b> UT8R2M39	
<b>13. SMD NUMBER</b> 5962-10206		<b>14. DEVICE TYPE DESIGNATOR</b> 01, 02	
<b>15. RHA LEVELS</b> R		<b>16. QML LEVEL</b> Q, Q+, V	
<b>17. NON QML LEVEL</b> HiRel, Protos		<b>18. BLANK</b>	

**19. PRODUCT CHANGE**

CAES is working in coordination with DLA Land and Maritime to revise SMD 5962-10206, revision level A, for the following changes:

**Section 1.5 Radiation features (sheet 3)**

**PREVIOUS:**

**CORRECTED:**

Effective LET with no latch-up (see 4.4.4.2).....  $\geq 111 \text{ MeV-cm}^2/\text{mg}$

.....  $\leq 110 \text{ MeV-cm}^2/\text{mg}$

**Table 1B SEP test limits (sheet 9)**

**PREVIOUS:**

All	6/	0.8 7/	7.5x10 <sup>-8</sup>	>111
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4/ Soft error rate =  $6.3 \times 10^{-7}$  error/bit-day assuming Adam's 90% worst case environment, geosynchronous orbit, and 100 mil aluminum shielding. Contact the device manufacturer for detailed information.

**CORRECTED:**

All	6/	0.8 7/	7.5x10 <sup>-8</sup>	≤ 110
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4/ Soft error rate =  $7.3 \times 10^{-7}$  error/bit-day assuming Adam's 90% worst case environment, geosynchronous orbit, and 100 mil aluminum shielding. Contact the device manufacturer for detailed information.

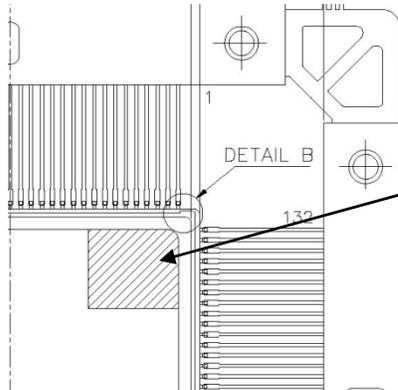
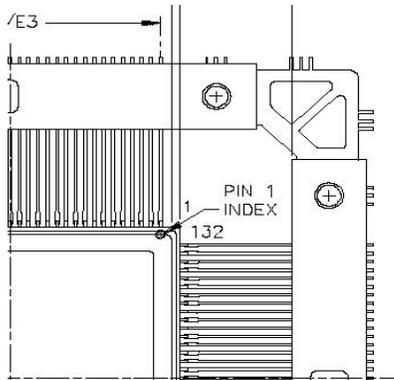
<b>20. DISPOSITIONARY RECOMMENDATION:</b>		USE AS IS <input type="checkbox"/>	CONTACT MANUFACTURER <input type="checkbox"/>	REMOVE & REPLACE <input type="checkbox"/>	CHECK & <input checked="" type="checkbox"/> USE AS IS
<b>21. ADEPT REPRESENTATIVE</b> Timothy L. Meade		<b>22. SIGNATURE</b> 			<b>23. DATE</b> 2012, October, 04

**ADDED: Alternative marking as package pin one identifier to FIGURE 1. Case outline (sheet 11).**

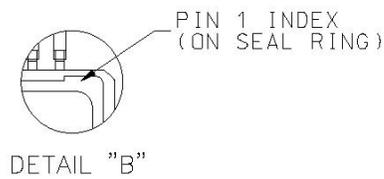
**CORRECTED: Drawing of original pin one identifier corrected and Detail B added.**

**PREVIOUS:**

**CORRECTED:**



(SEE NOTE 9)



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**ADDED: Note 9 (sheet 12):**

9/. A dot may be marked on lid to indicate pin 1 index within area shown.

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**CORRECTED: FIGURE 2. Terminal connections (sheet 13).**

<b><u>PREVIOUS:</u></b>		<b><u>CORRECTED:</u></b>	
Terminal Number	Terminal Symbol	Terminal Number	Terminal Symbol
100	TOP_DQ36	100	BOT_DQ36
101	BOT_DQ36	101	TOP_DQ36