

AEROSPACE DATA EXCHANGE PROGRAM TRANSMITTAL
PRODUCT CHANGE NOTICE



1. TITLE MICROCIRCUIT, MEMORY, DIGITAL, CMOS, 512K X 32-BIT (16M) with embedded EDAC, RADIATION-HARDENED, LOW VOLTAGE SRAM, MONOLITHIC SILICON		2. DOCUMENT NUMBER SPO-2012-PCN-0007	
4. MANUFACTURER NAME AND ADDRESS CAES 4350 CENTENNIAL BOULEVARD COLORADO SPRINGS, COLORADO 80907-3486		3. DATE (Year, Month, Date) 2012, OCTOBER, 04	
		5. MANUFACTURER POINT OF CONTACT NAME Mike Leslie	
		6. MANUFACTURER POINT OF CONTACT TELEPHONE (719) 594-8148	
8. CAGE CODE 65342		7. MANUFACTURER POINT OF CONTACT EMAIL Mike.Leslie@cobhamaes.com	
		9. EFFECTIVE DATE 2009, Feb, 23	
12. BLANK		10. PRODUCT IDENTIFICATION CODE WC04 / WC05	11. BASE PART UT8ER512K32M/S
		13. SMD NUMBER 5962-06261	14. DEVICE TYPE DESIGNATOR TYPE (01-06)
		16. RHA LEVELS R	17. QML LEVEL Q, V
18. NON QML LEVEL HiRel, Protos		19. BLANK	

19. PRODUCT CHANGE

CAES is working in coordination with DLA Land and Maritime to revise SMD 5962- 06261, revision level B, for the following changes.

Section 1.5 (sheet 3)

with no latch-up
 Single event upset

PREVIOUS	CORRECTED
> 111 MeV-cm ² /mg 7/ 9/	≤ 111 MeV-cm ² /mg 7/ 9/
6.0 x 10 ⁻¹⁶ errors/bit-day 8/ 9/	8.1 x 10 ⁻¹⁶ errors/bit-day 8/ 9/

Table IB and note /5 (sheet 11)

PREVIOUS:

Table IB. SEP test limits 1/ 2/

All	<u>5/</u>	<u>5/</u>	>111
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5/ Soft error rate = 6.0 x 10⁻¹⁶ error/bit-day assuming

CORRECTED:

Table IB. SEP test limits 1/ 2/

All	<u>5/</u>	<u>5/</u>	≤111
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5/ Soft error rate = 8.1 x 10⁻¹⁶ error/bit-day assuming

NOTE: The revised soft error rate is based on improved calculations using additional heavy ion test data gathered by CAES. No changes to the device or test methods were made. The inequality symbol changes (> to ≤) are required to achieve technical accuracy with the affected parameter's description.

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