AEROSPACE DATA EXCHANGE PROGRAM TRANSMITTAL



## PROBLEM ADVISORY

	•	NODLL					
1. TITLE			2. DOCUMENT NU	2. DOCUMENT NUMBER			
MEMORY, DI	EAM SEAL FAILURE GITAL, CMOS, RADI AGE SRAM, MULTICH	ATION-HARDENE		SPO-2020-PA-0006D			
			3. DATE (Year, Mo 2022, Aug, 25	3. DATE (Year, Month, Date) 2022, Aug. 25			
4. MANUFACTUR	ER NAME AND ADDRESS		5. MANUFACTURE	5. MANUFACTURER POINT OF CONTACT NAME			
CAES			Peter Nelson	. 5151 1151511			
	INIAL BOULEVARD SPRINGS, COLORADO	O 80907-3486	6. MANUFACTURE	6. MANUFACTURER POINT OF CONTACT TELEPHONE			
				719-594-8238			
				7. MANUFACTURER POINT OF CONTACT EMAIL			
0.0405.0005	0.100.07407	40 LDO END		@cobhamaes.co			
8. CAGE CODE 65342	9. LDC START 1849	10. LDC END 1948	QS09 thru QS		12. BASE PART UT8ERxM32M/S UT8RxM39		
13. BLANK			14. SMD NUMBER		15. DEVICE TYPE DESIGNATOR		
			10202 thru 10	207	All 17. QML LEVEL		
			All		All		
			18. NON QML LEV	EL .	19. GIDEP NUMBER		
			All		GB4-P-22-01		
The SRAM part numbers listed in Table 1 which have an 1849-1948 date code may not remain hermetic post Group D3 stressing (thermal shock, thermal cycling & moisture exposure). All parts initially passed two Fine/Gross leak screens during production flow; however Group D3 temperature stressing aggravated the corner region of the welds and induced seal failures on some samples from the affected date codes. Although all parts delivered to customers were hermetic, there is a risk of having a latent defect on the seals which may exhibit itself as a non hermetic part post stressing. See Table 1 for affected PNs.							
SRAM production and shipments are on hold until a corrective action is implemented. Group D testing will be conducted on a lot by lot basis until three consecutive passing lots are completed.  It is recommended that customers contact the factory for disposition of delivered parts.  Update:							
Root cause investigation of the seam seal issue has concluded. Results of the investigation was the development of optimized weld profile parameters for the seam seal process which have been utilized on products starting with LDC 2044. Our seal process flow documents were updated to reflect the new weld parameters. A combo leak test has been added to the end of the test flow to perform a last check of the seal prior to shipment.  Shipment of SRAM have resumed in accordance with MIL-PRF-38535 requirements.							
22. DISPOSITION	ARY RECOMMENDATION:	CHECK &  USE AS IS	CONTACT  MANUFACTURER	REMOVE &  REPLACE	CORRECT &  USE AS SPECIFIED		

ADEPT PA FORM REVISION DATE: 2022-09-14 REVISION: E

Table 1

ADEPT PA FORM

Affected PN	PIC	Assembly Lot
5962R1020302VXC	QS10	3НЈL
5962R1020304QXC	QS10	3НЈСС
5962R1020404QXC	QS12	3FHJD, 3FXAE, 3HTRA
5962R1020501VXC	QS13	3FVT, 3HTH, 3JCF
5962R1020601QXC	QS14	3IAA
5962L1020601QXC	QS14	3ЈСН, 3ЈСІ
5962R1020601VXC	QS14	3HXB
5962L1020601VXC	QS14	3HXBA
5962R1020602QXC	QS14	3EKZA, 3HKB
32-00148-17	QS14	3НКВА
5962R1020702QXC	QS15	3ENOBA, 3FHJF, 3FMT, 3FWZ, 3FXA, 3FXABB, 3HTD, 3HTF, 3HTR, 3HTS, RW3ENO
32-00147-1	QS15	3ENOA, 3FXAA
32-00148-24	QS15	3FMTB
32-00147-2	QS15	3FHJA, 3FXAB

Note: If customer finds an assembly lot within the LDC range of boxes 9 and 10 but is not in Table 1, please contact the factory.

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