

PRODUCT INFORMATION NOTICE

1. TITLE LOW POWER SRAM READ OPERATIONS		2. DOCUMENT NUMBER SPO-2015-PIN-0003	
		3. DATE (Year, Month, Date) 2015 December 21	
4. MANUFACTURER NAME AND ADDRESS CAES 4350 CENTENNIAL BOULEVARD COLORADO SPRINGS, COLORADO 80907-3486		5. MANUFACTURER POINT OF CONTACT NAME MIKE LESLIE	
		6. MANUFACTURER POINT OF CONTACT TELEPHONE (719) 594-8148	
		7. MANUFACTURER POINT OF CONTACT EMAIL Mike.leslie@cobhamaes.com	
8. CAGE CODE 65342	9. BLANK	10. PRODUCT IDENTIFICATION CODE VARIOUS (TABLE 1)	11. BASE PART VARIOUS (TABLE 1)
12. BLANK		13. SMD NUMBER VARIOUS (TABLE 1)	14. DEVICE TYPE DESIGNATOR VARIOUS (TABLE 1)
		15. RHA LEVELS ALL	16. QML LEVEL Q AND V
		17. NON QML LEVEL N/A	18. BLANK

19. DESCRIPTION (FOR NEW PRODUCTS, PROVIDE AVAILABILITY DATE AND LEAD TIME)

The purpose of this Product Information Notice is to inform the industry about the CAES SRAMs low power read architecture. CAES designed SRAMs, referenced in the table below, employ an architecture which reduces power consumption during read accesses. This architecture is commonly used by many SRAM manufacturers. Sensing circuits are only active during the initial 5-7ns of every read cycle; therefore, it is imperative that timing parameters t_{AVAV} and t_{ETQV} are met according to the SMD and datasheet specifications. For further details, an application note (AN-MEM-002) has been written and appended to applicable CAES datasheets.

TABLE 1

SMD #	Device Type	Product Name:	Manufacturer Part Number
5962-03236	01 & 02	4M Asynchronous SRAM	UT8R128K32
5962-03235	01 & 02	4M Asynchronous SRAM	UT8R512K8
5962-04227	01 & 02	16M Asynchronous SRAM	UT8CR512K32
5962-06261	05 & 06	16M Asynchronous SRAM	UT8ER512K32
5962-99607	05 & 06	4M Asynchronous SRAM	UT8Q512E
5962-00536	05 & 06	4M Asynchronous SRAM	UT9Q512E
5962-01533	02 & 03	16M Asynchronous SRAM	UT8Q512K32E
5962-01511	02 & 03	16M Asynchronous SRAM	UT9Q512K32E
5962-10202	01 - 04	32M Asynchronous SRAM	UT8ER1M32
5962-10203	01 - 04	64M Asynchronous SRAM	UT8ER2M32
5962-10204	01 - 04	128M Asynchronous SRAM	UT8ER4M32
5962-10205	01 & 02	40M Asynchronous SRAM	UT8R1M39
5962-10206	01 & 02	80M Asynchronous SRAM	UT8R2M39
5962-10207	01 & 02	160M Asynchronous SRAM	UT8R4M39

NOTE: THIS DOCUMENT IS PUBLISHED FOR INFORMATION PURPOSES AND MAY PROVIDE FORWARD LOOKING STATEMENTS THAT ARE SUBJECT TO CHANGE. THE USERS SHOULD CONTACT THEIR LOCAL CAES SALES OFFICE FOR ANY ACTIONABLE CONTENT DESCRIBED HEREIN.

20. ADEPT REPRESENTATIVE Lin-Chi Huang	21. SIGNATURE 	22. DATE December 21, 2015
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