

DMSMS NOTICE

DIMINISHING MANUFACTURING SOURCES AND MATERIAL SHORTAGES

1. TITLE MICROCIRCUIT, DIGITAL, ADVANCED CMOS, RADIATION HARDENED, QUADRUPLE 2-INPUT NAND SCHMITT TRIGGER, TTL COMPATIBLE INPUTS, MONOLITHIC SILICON		2. DOCUMENT NUMBER SPO-2012-D-0005	
		3. DATE (Year, Month, Date) 2012 Jan 03	
4. MANUFACTURER NAME AND ADDRESS CAES 4350 CENTENNIAL BOULEVARD COLORADO SPRINGS, COLORADO 80907-3486		5. MANUFACTURER POINT OF CONTACT (NAME) Mr. Tim Meade	
		6. MANUFACTURER POINT OF CONTACT TELEPHONE (719) 594-8048	
		7. MANUFACTURER POINT OF CONTACT EMAIL tim.l.meade@cobhamaes.com	
8. CAGE CODE 65342	9. MANUFACTURER FINAL ORDER DATE SEE COMMENTS BELOW	10. PRODUCT IDENTIFICATION CODE L132A	11. BASE PART UT54ACTS132
12. BLANK		13. SMD NUMBER 96543	14. DEVICE TYPE DESIGNATOR 01
		15. RHA LEVELS NON, R, F, G, and H	16. QML LEVEL Q AND V
		17. NON QML LEVEL NA	18. BLANK

19. COMMENTS

CAES IS ISSUING THIS DIMINISHING MANUFACTURING SOURCES AND MATERIAL SHORTAGES NOTICE AND PRODUCT CHANGE NOTIFICATION TO ANNOUNCE THE FOUNDRY MIGRATION OF DEVICE TYPES 01 FROM 1.2UM RADIATION-HARDENED CMOS TO ON-SEMICONDUCTOR'S 0.6UM C5U COMMERCIAL RADIATION-HARDENED CMOS PROCESS. BECAUSE THE MIGRATED DEVICE IS FORM, FIT, AND FUNCTIONAL TO THE LEGACY DEVICE, IT WILL CONTINUE TO SHIP AS DEVICE TYPE 01.

AS PART OF THIS PROCESS MIGRATION, THE RADIATION HARDNESS ASSURANCE LEVEL "H" AND CASE OUTLINE "C" WILL NO LONGER BE AVAILABLE FROM AN APPROVED SOURCE OF SUPPLY. CAES IS NO LONGER ACCEPTING PURCHASE ORDERS FOR PRODUCT WITH THE RHA LEVEL "H" OR CASE OUTLINE "C". ADDITIONALLY, DIE SALES AGAINST DIE DETAIL "A" ARE NO LONGER AVAILABLE. FUTURE DIE SALES MAY BE ISSUED AGAINST DIE DETAIL "B" OF THE AFFECTED SMD. NOTE: THE NEW DIE SUPPLIED AGAINST DIE DETAIL "B" REQUIRE A SUBSTRATE BIAS TO VSS.

THE MIGRATED DEVICE OFFERING WILL BE AVAILABLE WITH THE FOLLOWING OPTIONS:

SMD #: 5962-96543 DEVICE TYPE: 01
 AVAILABLE RHA DESIGNATORS: R (100Krad (Si)), F (300Krad (Si)), G (500Krad (Si))
 DEVICE CLASS: Q, V
 CASE OUTLINE DESIGNATOR: X (14 LEAD FLAT PACK) OR DIE CODE: 9
 LEAD FINISH: A, C, X OR DIE DETAIL: B

SHIPMENTS OF THE MIGRATED DEVICE ARE EXPECTED TO BEGIN IN JAN 2012 STARTING WITH DATE CODE 0112.

Obsolete SMD PINs	Vendor Similar PINs
5962H9654301Q9A	UT54ACTS132-QDIE
5962H9654301QCA	UT54ACTS132-PQAH
5962H9654301QCC	UT54ACTS132-PQCH
5962H9654301QXA	UT54ACTS132-UQAH
5962H9654301QXC	UT54ACTS132-UQCH
5962H9654301V9A	UT54ACTS132-VDIE
5962H9654301VCA	UT54ACTS132-PVAH
5962H9654301VCC	UT54ACTS132-PVCH
5962H9654301VXA	UT54ACTS132-UVAH
5962H9654301VXC	UT54ACTS132-UVCH
Replace SMD PINs	Vendor Similar PINs
5962G9654301Q9B	UT54ACTS132-QDIE
5962G9654301QXA	UT54ACTS132-UQAG
5962G9654301QXC	UT54ACTS132-UQCG
5962G9654301V9B	UT54ACTS132-VDIE
5962G9654301VXA	UT54ACTS132-UVAG
5962G9654301VXC	UT54ACTS132-UVCG

20. ADEPT REPRESENTATIVE
Timothy L. Meade

21. SIGNATURE



22. DATE
2012, Jan, 03