

## GIDEP & NASA ADVISORY IMPACT REPORT

NASA Advisories, GIDEP Alerts, Problem Advisories, Safe Alerts, Product Change Notices,  
Diminishing Source Notices and Agency Action Notices related to EEE parts  
March - June, 1996

<u>Document #</u>	<u>Date</u>	<u>Part No.</u>	<u>Mfr.</u>	<u>Summary / Part Type</u>
AAN-U-96-39	3/21/96	Multiple	N/A	The Naval Ordnance Center is disseminating a safety advisory about Army and Navy non-rechargeable, dry, primary, lithium batteries. The batteries have exploded during routine disposal discharges and routine state-of-charge checks using a state-of-charge meter due to overheating.
AH6-D-96-04	2/28/96	NM93CS66J-SMD, 5962-9154901MPA	National.	The manufacturer is discontinuing subject microcircuits.
AH6-C-96-06	3/6/96	MIL-PRF-38535	National	This process, product or package change notification is published per the requirements of MIL-STD-883 and is provided for your information and use.
BN8-A-96-02	3/8/96	82S191/BJA , 5962-01-360-8256	Philips Semiconductor	Customer reporting functional failure at <del>-5C</del> during power strobe testing on specific codes after a 2 hour preconditioning soak at <del>-3C</del> . This test is a custom requirement, not a data sheet parameter.
BP6-C-96-05A	2/28/96	N/A	Harris Corp.	The manufacturer is issuing this amendment to clarify it's position as regards GSI and CSI inspections on radiation hardened microcircuits
CE9-C-96-08	2/28/96	SNJ54ABT841	Texas Instruments	This notice is being published to notify customers of recent <del>data</del> datasheets changes to the manufacturers military integrated circuits.
CE9-C-96-09	3/6/96	Multiple	Texas Instruments	Under the provisions of MIL-PRF-38535, the manufacturer has eliminated 100% temperature cycle and constant acceleration on the subject chip carriers.
CE9-P-96-02	3/13/96	Multiple	Texas Instruments	This advisory describes a specific application condition that should be avoided when using the 16megabit DRAMS packaged parts which use the 16ms rev p1.4 die.
EA-D-96-17	3/6/96	59501-80092 , 5950-01-309-3974	Hewlett-Packard	Defense Electronics Supply Center (DESC) is reporting the discontinuance of the listed part number and the associated national stock number.

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EE-A-96-01	3/6/96	LH0021K , 5962-00-374-8196	National	The manufacturer has confirmed a wire bonding anomaly from the post and die to the substrate on hybrid integrated circuit of Lockheed Martin Control Systems (LMCS) drawing number 144A9562PL. The anomaly to date has been restricted to lot date code 9441 that was manufactured off-shore in Singapore. LMCS has been identified as the only customer in receipt of this date code. However, internal gas analysis results cast suspicion on date codes 9447 and 9450. The manufacturer believes that the cause of the anomaly is related to leaking glass lead seals. Upon further investigation, parts were determined to contain chlorine along with high levels of moisture (>10,000ppm). The elevated moisture level and chlorine contamination within the package directly contribute to dangerous corrosion.
GG4-A-96-01	2/28/96	JANTXV2N5154 , 5961-01-338-3611, MIL-S-19500/544	PPC Products Corp.	PPC Products Corp. received notification from Space Systems Loral of an anomaly encountered with PPC devices lot date code 9406. Loral selected three samples for DPA, two out of three of the collector leads came off during DPA handling. The correspondence states that "normally these leads are strong enough to withstand handling received during DPA". This problem has not been reported by any other customer, and PPC is confident that this is an isolated case. the product in question passed all incoming inspection and screening requirements including group C subgroup 2 terminal strength to method 2036. However the product was recalled in October of 1995 for an unrelated problem, reference GIDEP alerts SF-A-95-01 and SF-A-95-02A.
SF-A--95-02A	2/28/96	JANTXV2N5153 , 5961-01-337-8554 , MIL-S-19500/545	PPC Products Corp.	A DPA sample of five transistors from date code 9349 was subjected to RGA tests per MIL-STD-883, method 1018, procedure 1. Three of five transistors failed the RGA tests for high moisture content, exceeding the 5000 ppm limit of MIL-S-19500.
VV-D-96-02	3/6/96	Multiple	Thomson Components and Tubes Corp.	The manufacture is discontinuing subject microcircuits.
VV-D-96-09	3/8/96	Multiple	Burr-Brown Corp.	The manufacture is discontinuing subject microcircuits.

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VV-D-96-10	3/8/96	87Z3 , 5985-00-124-9953	Andrew Corp.	The manufacture is discontinuing subject (splice) part numbers and national stock number. The referenced part number was <del>was</del> soleted in June 1995.
VV-D-96-10A	3/11/96	87Z3 , 5985-00-124-9953	Andrew Corp.	This amendment contains additional information that identifies the DESC case number, the user response deadline date and the federal point of contact.
VV-D-96-11	3/14/96	Multiple	Integrated Device Technology	The manufacture is discontinuing subject microcircuits.
VV-D-96-12	3/19/96	Multiple	Advanced Micro Devices Inc.	The manufacture is discontinuing subject microcircuits.
AAN-U-96-39A	4/18/96	Multiple	N/A	This is a follow up advisory about Army and Navy non-rechargeable, dry, primary, lithium batteries. The additional information and guidance is related to the following areas: A.NSN's of affected batteries, replacement batteries and support hardware. B. An alternative method for preparing affected batteries for disposal . C. Guidance for proper disposal of affected batteries. D. Reporting requirements for malfunctioning batteries.
AH6-D-96-05	4/ 2/96	Multiple	National	Manufacturer is discontinuing subject microcircuits.
AH6-D-96-06	4/22/96	Multiple	National	Manufacturer is discontinuing subject microcircuits.
AK-P-96-01	4/ 5/96	MIL-W-16878/4	Cal-Pacific Electronics Corp.	During adjustment of a potentiometer, four radial cracks through the red/black teflon insulation were observed on the wire which connects to the potentiometer. These cracks, all within a six inch length, exposed the wire's conductor strands. The red/black wire is one of six different colored wires on the potentiometer. All other wires were found to be acceptable. All the wires are silver-plated, multiple-strand copper wires with teflon insulation, manufactured to MIL-W-16878/4.

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CE9-C-96-10	4/ 4/96	Multiple	TI	The manufacturer is notifying it's customers of recent changes to it's military integrated circuits. These changes are all fully qualified to military requirements and approved by it's Technology Review Board (TRB). Qualification data is kept on file. Where it has been determined that customer source control drawings are affected, these customers will be contacted directly for any change approvals.
CE9-C-96-11	4/ 4/96	Multiple	TI	The manufacturer is notifying it's customers of recent changes to it's military integrated circuits. These changes are all fully qualified to military requirements and approved by it's TRB. Qualification data is kept on file. This change refers to the manufacturedatasheet device. If the change affects a DESC SMD or JAN slash sheet, notification of the change will be issued by DESC. If the change affects a customer's SCD, The manufacturer will contact these customers directly for needed approvals.
CE9-C-96-12	4/23/96	Multiple	TI	Under the provisions of MIL-PRF-38535, the manufacturer has eliminated 100% burn-in on the subject microcircuits.
CE9-C-96-13	4/23/96	Multiple	TI	The manufacturer is notifying it's customers of recent changes to it's military integrated circuits. These changes are all fully qualified to military requirements and approved by it's TRB. Qualification data is kept on file. This change refers to the manufacturedatasheet device. If the change affects a DESC SMD or JAN slash sheet, notification of the change will be issued by DESC. If the change affects a customer's SCD, The manufacturer will contact these customers directly for needed approvals.
CE9-P-96-03	4/ 2/96	5962-7802004MFA	TI	This advisory describes a symbol issue specific to the part and package type listed below. This SMD was converted to add the 5962 prefix to the symbol in December of 1993. At that time the traveler was updated to reflect the addition of 5962 to the symbol requirements. In subsequent traveler changes in October of 1995 the traveler was inadvertently tied to the old symbol diagram which did not have the 5962 prefix. This was found and corrected in February of 1996. Review of shipping history shows that three date codes of parts were built and shipped using the old symbol formats. date codes affected were 9542A, 9542B and 9551C.

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E3-P-96-01	4/18/96	Multiple	Amphenol Corp.	The subject devices are no longer on QPL. They have been canceled since January 1, 1992. The manufacturer is continuing to supply some items from the above listed series marked with item identification numbers identical to those used previously to identify the MIQPL'd items. Be advised that no MIL screening is accomplished on these items.
G2-P-96-01	4/12/96	JANS2N3439/AAT05D3439, MIL-S-19500/368	PPC Products Corp.	Honeywell Space and Strategic Operations experienced 3 failures OF the manufacturers low power transistor during subassembly testing. Board level fault isolation determined the cause of the anomalies was excessive transistor leakage. All 3 parts were removed and the Honeywell failure analysis lab verified 2 of the 3 parts (PPC D/C 9426, L/N 94-178) had open internal wires due to melt through . The third part was successfully tested at room temperature without incident.
VV-D-93-13	4/ 1/96	AM8530H-4, AM8530H-6 , AM8530H-8, 5962-01-346-1522	Advanced Micro Devices	Manufacturer is discontinuing subject microcircuits.
VV-D-93-14	4/ 1/96	Multiple	Altera Corp.	Manufacturer is discontinuing subject microcircuits.
VV-D-96-15	4/ 1/96	Multiple	Altera Corp.	Manufacturer is discontinuing subject microcircuits.
VV-D-96-16	4/22/96	Multiple	Allegro Micro Systems	Manufacturer is discontinuing subject microcircuits.
VV-D-96-17	4/24/96	Multiple	Siliconix	Manufacturer is discontinuing subject microcircuits / transistors.
AH6-C-96-07	5/13/96	Multiple	NSC	This process flow, and test limit change notification is published per the requirements of MIL-STD-883.
AH6-D-96-07	5/15/96	Multiple	NSC	Manufacturer is discontinuing subject semiconductors.
VV-D-96-21	5/13/96	Multiple	DARE Electronics Inc.	Manufacturer is discontinuing subject microcircuits..
VV-D-96-21A	5/15/96	Multiple	DARE Electronics Inc.	The manufacture is discontinuing the following components - coil assembly, board and contact, visor, cathode ray, electrical chassis, electrical solenoid.

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B8-A-96-01	5/16/96	RWR82S1R43FR	TEPRO of Florida, Inc.	Four d/c 9550 MIL-R-39007 wire wound, 1.43 ohm, 1%, 1.5w resistors exhibited high resistance after board assembly and ESS temperature cycling. Circuit operation at ambient temperature and at ESS temperature extremes included the activation of resistive loads by applying current pulses through these resistors. Two failures were potted and exhibited resistor wire to end cap weld separation. Optical and SEM indicate clean separation with no metal attach residuals at the weld site. Five 1.43 ohm d/c 9550 resistors were pulled direct from inventory, and one additional high resistance failure was discovered. As part of this investigation, TSD requested that the manufacture submit tenncoated resistors for weld analysis. A quantity of twelve was received and under medium power (10x to 40x) magnification, most exhibited questionable weld quality; such as compressed / deformed end caps at the weld site, weld slag/splatter, wire / weld flattened to a suspiciously thin cross section, wire dress / routing after the weld following a path almost touching the edge of the end cap, highly variable weld patterns / shapes.
BP6-C-96-10	5/3/96	Multiple	Harris	The manufacturer is issuing this product change notice to advise you of a wafer fabrication change on digital products.
CM2-D-96-01	5/14/96	Multiple	Analog Devices Inc.	Manufacturer is discontinuing subject microcircuits..
DT6-D-96-02	5/1/96	Multiple	Motorola	Manufacturer is discontinuing subject microcircuits..
VV-D-96-11A	5/8/96	Multiple	Integrated Device Technology Inc.	Manufacturer is discontinuing subject microcircuits (additional information received).
VV-D-95-17A	5/9/96	Multiple	Advanced Micro Devices	Manufacturer is discontinuing subject microcircuits (additional information received).
VV-D-96-18	5/1/96	Multiple	Altera Corp.	Manufacturer is discontinuing subject microcircuits..
VV-D-96-20	5/13/96	Multiple	BKC Semiconductor	Manufacturer is discontinuing subject microcircuits..