

November 2, 2009

Subject: The MIL-S-19500/115 DO-13 Package and MIL-S-19500/156 (Items 1N939B-1 and 1N940B-1) Product Lines from Microsemi-Scottsdale Division

Dear Valued Customer:

This correspondence is official notice communicating the discontinuance of the MIL-S-19500/115 (DO-13 Package only) and MIL-S-19500/156 (Items 1N939B-1 and 1N940B-1) Product Lines manufactured by the Microsemi-Scottsdale Division. Please note that the part number series below are being impacted effective November 2, 2009. Product is subject to a last time buy where available, as outlined under the New Orders heading.

Please refer to the attached letter dated October 3, 2008, regarding the replacement of these products, sourced by the Microsemi-Lawrence Division. The DO-41 and DO-213AB packages for the MIL-S-19500/115 will continue to be provided by Microsemi Lawrence and Ireland.

Part Numbers Being Discontinued

Please refer to the list of items in Appendix A.

Sales Contacts

Inside Sales Representatives:	Tom Hamblin	480-941-9536
	Sharon Mewborn	480-941-6553
	Michele Niedrich	480-941-6529
	Tammy Pekelsma	480-941-6539
Inside Sales Manager – Scottsdale:	Holly Snopko	480-941-6349

Open Orders

All currently scheduled orders at the Microsemi-Scottsdale Division shall be delivered per the dates reflected in our Order Acknowledgment from the Microsemi-Scottsdale division.

New Orders

For those products being discontinued, our records indicate that you have purchased, and or requested quotes for, one or more of these products within the last twenty four (24) months. Microsemi extends a Last Time Buy ("LTB") offer to you for those products where on-hand inventory or die exists. The LTB offer is effective as of November 2, 2009, and all LTB orders must be placed by February 1, 2010. Delivery of these products must be taken upon completion of product build. All orders are non-cancelable, non-returnable, and may be non-replaceable. Warranty for these products are per Microsemi Corporation Standard Terms and Conditions with the exception that replacement may not be available.

The Microsemi-Scottsdale Division extends to you our sincere appreciation for your business. Please feel free to contact our referenced sales personnel if you have any questions.

Sincerely,



Holly Snopko
Manager of Planning, Procurement,
and Customer Service
Microsemi-Scottsdale Division
8700 E. Thomas Road
Scottsdale, AZ 85251

**Part Numbers Being Discontinued, Eligible for Last Time Buy
Appendix 1**

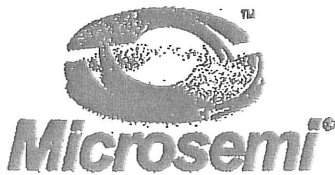
MIL-S-19500/115*:

1N3016B, JAN1N3016B, JANTX1N3016B, JANTXV1N3016B
 1N3017B, JAN1N3017B, JANTX1N3017B, JANTXV1N3017B
 1N3018B, JAN1N3018B, JANTX1N3018B, JANTXV1N3018B
 1N3019B, JAN1N3019B, JANTX1N3019B, JANTXV1N3019B
 1N3020B, JAN1N3020B, JANTX1N3020B, JANTXV1N3020B
 1N3021B, JAN1N3021B, JANTX1N3021B, JANTXV1N3021B
 1N3022B, JAN1N3022B, JANTX1N3022B, JANTXV1N3022B
 1N3023B, JAN1N3023B, JANTX1N3023B, JANTXV1N3023B
 1N3024B, JAN1N3024B, JANTX1N3024B, JANTXV1N3024B
 1N3025B, JAN1N3025B, JANTX1N3025B, JANTXV1N3025B
 1N3026B, JAN1N3026B, JANTX1N3026B, JANTXV1N3026B
 1N3027B, JAN1N3027B, JANTX1N3027B, JANTXV1N3027B
 1N3028B, JAN1N3028B, JANTX1N3028B, JANTXV1N3028B
 1N3029B, JAN1N3029B, JANTX1N3029B, JANTXV1N3029B
 1N3030B, JAN1N3030B, JANTX1N3030B, JANTXV1N3030B
 1N3031B, JAN1N3031B, JANTX1N3031B, JANTXV1N3031B
 1N3032B, JAN1N3032B, JANTX1N3032B, JANTXV1N3032B
 1N3033B, JAN1N3033B, JANTX1N3033B, JANTXV1N3033B
 1N3034B, JAN1N3034B, JANTX1N3034B, JANTXV1N3034B
 1N3035B, JAN1N3035B, JANTX1N3035B, JANTXV1N3035B
 1N3036B, JAN1N3036B, JANTX1N3036B, JANTXV1N3036B
 1N3037B, JAN1N3037B, JANTX1N3037B, JANTXV1N3037B
 1N3038B, JAN1N3038B, JANTX1N3038B, JANTXV1N3038B
 1N3039B, JAN1N3039B, JANTX1N3039B, JANTXV1N3039B
 1N3040B, JAN1N3040B, JANTX1N3040B, JANTXV1N3040B
 1N3041B, JAN1N3041B, JANTX1N3041B, JANTXV1N3041B
 1N3042B, JAN1N3042B, JANTX1N3042B, JANTXV1N3042B
 1N3043B, JAN1N3043B, JANTX1N3043B, JANTXV1N3043B
 1N3044B, JAN1N3044B, JANTX1N3044B, JANTXV1N3044B
 1N3045B, JAN1N3045B, JANTX1N3045B, JANTXV1N3045B
 1N3046B, JAN1N3046B, JANTX1N3046B, JANTXV1N3046B
 1N3047B, JAN1N3047B, JANTX1N3047B, JANTXV1N3047B
 1N3048B, JAN1N3048B, JANTX1N3048B, JANTXV1N3048B
 1N3049B, JAN1N3049B, JANTX1N3049B, JANTXV1N3049B
 1N3050B, JAN1N3050B, JANTX1N3050B, JANTXV1N3050B
 1N3051B, JAN1N3051B, JANTX1N3051B, JANTXV1N3051B
 1N3821A, JAN1N3821A, JANTX1N3821A, JANTXV1N3821A
 1N3822A, JAN1N3822A, JANTX1N3822A, JANTXV1N3822A
 1N3823A, JAN1N3823A, JANTX1N3823A, JANTXV1N3823A
 1N3824A, JAN1N3824A, JANTX1N3824A, JANTXV1N3824A
 1N3825A, JAN1N3825A, JANTX1N3825A, JANTXV1N3825A
 1N3826A, JAN1N3826A, JANTX1N3826A, JANTXV1N3826A
 1N3827A, JAN1N3827A, JANTX1N3827A, JANTXV1N3827A
 1N3828A, JAN1N3828A, JANTX1N3828A, JANTXV1N3828A
 1N3829A
 1N3830A

* Note: Item numbers include all voltage tolerances.

MIL-S-19500/156:

1N939B-1, JAN1N939B-1, JANTX1N939B-1, JANTXV1N939B-1
 1N940B-1, JAN1N940B-1, JANTX1N940B-1, JANTXV1N940B-1



October 3, 2008

Subject: MIL-PRF-19500/115M Part Number Substitution Information

Dear Valued Customer:

Per paragraph 6.4 of MIL-PRF-19500/115M dated 14 May 2008 (attached): "Device types 1N3821A through 1N3828A and 1N3016B through 1N3051B (excluding JANHC devices) are inactive for new design as of the date of this specification." This is to inform you Microsemi will now only be manufacturing the direct substitutes 1N3821A-1 through 1N3828A-1 and 1N3016B-1 through 1N3045B-1 as listed in paragraph 6.4.2 of MIL-PRF-19500/115M.

For a limited time Microsemi will continue to supply the 1N3046B though 1N3051B until the substitute 1N3046B-1 through 1N3051B-1 qualifications are completed. This entire series will now be supplied by the Microsemi-Lawrence division only.

LAWRENCE SALES CONTACTS - 978-620-2600 FAX 978-689-0803
East Coast - Sarah Powell Barter (X2626), West Coast - Marie Lyons (X2611)
Distribution - Joanne D'Auteuil (X2612), International & Die-Terry Mazur Lydon (X2615)
Inside Sales Manager - Chris Christensen (X2617)

BACKLOG

All orders previously placed with the Scottsdale division for the inactive parts listed above will be serviced and shipped by the Scottsdale division.

Please feel free to contact either of us if you have any questions or concerns regarding this part number substitution information.

Best regards,

Doug Milne
Director of Sales
Microsemi Lawrence
Microsemi Scottsdale
978-620-2623

Barbara Maddalena
Director of Sales

480-941-6555

Microsemi-Lawrence
6 Lake Street, Lawrence, Ma. 01841 (978) 620-2600 Fax (978) 689-0803

MIL-PRF-19500/115M
w/ AMENDMENT 1

6.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When packaging of materiel is to be performed by DoD or in-house contractor personnel, these personnel need to contact the responsible packaging activity to ascertain packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activities within the Military Service or Defense Agency, or within the Military Service's system commands. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory. The notes specified in MIL-PRF-19500 are applicable to this specification.)

6.1 Intended use. Semiconductors conforming to this specification are intended for original equipment design applications and logistic support of existing equipment.

6.2 Acquisition requirements. Acquisition documents should specify the following:

- a. Title, number, and date of this specification.
- b. Packaging requirements (see 5.1).
- c. Lead finish (see 3.4.1).
- d. Product assurance level and type designator.

6.3 Qualification. With respect to products requiring qualification, awards will be made only for products which are, at the time of award of contract, qualified for inclusion in Qualified Manufacturers List (QML 19500) whether or not such products have actually been so listed by that date. The attention of the contractors is called to these requirements, and manufacturers are urged to arrange to have the products that they propose to offer to the Federal Government tested for qualification in order that they may be eligible to be awarded contracts or orders for the products covered by this specification. Information pertaining to qualification of products may be obtained from Defense Supply Center, Columbus, ATTN: DSCC/VQE, P.O. Box 3990, Columbus, OH 43218-3990 or e-mail vqe.chief@dla.mil. An online listing of products qualified to this specification may be found in the Qualified Products Database (QPD) at <http://asslst.daps.dla.mil>.

6.4 Substitution information. Device types 1N3821A through 1N3828A and 1N3016B through 1N3051B (excluding JANHC devices) are inactive for new design as of the date of this specification.

6.4.1 Substitutability of 2 percent and 1 percent tolerance devices. Devices of tighter tolerance are a direct one-way substitute for the looser tolerance devices (example: JANTX1N3821D-1 substitutes for JANTX1N3821A-1).

MIL-PRF-19500/115M
w/ AMENDMENT 1

* 6.4.2 Substitutability of dash one parts. The non-dash-1 parts specified in this document are inactive for new design. Users are cautioned that the new (-1) design is not form, fit, functionally interchangeable. For new designs the user shall use the dash-1 version of the device. For sustainment purposes the users shall evaluate the part for use in their application. The following table should be used as a guide line.

Inactive part number	Substitute part number	Inactive part number	Substitute part number	Inactive part number	Substitute part number
1N3821A	1N3821A-1	1N3023B	1N3023B-1	1N3038B	1N3038B-1
1N3822A	1N3822A-1	1N3024B	1N3024B-1	1N3039B	1N3039B-1
1N3823A	1N3823A-1	1N3025B	1N3025B-1	1N3040B	1N3040B-1
1N3824A	1N3824A-1	1N3026B	1N3026B-1	1N3041B	1N3041B-1
1N3825A	1N3825A-1	1N3027B	1N3027B-1	1N3042B	1N3042B-1
1N3826A	1N3826A-1	1N3028B	1N3028B-1	1N3043B	1N3043B-1
1N3827A	1N3827A-1	1N3029B	1N3029B-1	1N3044B	1N3044B-1
1N3828A	1N3828A-1	1N3030B	1N3030B-1	1N3045B	1N3045B-1
1N3016B	1N3016B-1	1N3031B	1N3031B-1	1N3046B	1N3046B-1
1N3017B	1N3017B-1	1N3032B	1N3032B-1	1N3047B	1N3047B-1
1N3018B	1N3018B-1	1N3033B	1N3033B-1	1N3048B	1N3048B-1
1N3019B	1N3019B-1	1N3034B	1N3034B-1	1N3049B	1N3049B-1
1N3020B	1N3020B-1	1N3035B	1N3035B-1	1N3050B	1N3050B-1
1N3021B	1N3021B-1	1N3036B	1N3036B-1	1N3051B	1N3051B-1
1N3022B	1N3022B-1	1N3037B	1N3037B-1		

6.5 Suppliers of JANHC die. The qualified JANHC suppliers with the applicable letter version (example JANHCA1N3821A) will be identified on the QML.

JANHC ordering information		
PIN	Manufacturer CAGE	
	43611	12954
1N3821A through 1N3828A	JANHCA1N3821A through JANHCA1N3828A	JANHCB1N3821A through JANHCB1N3828A
1N3016B through 1N3051B	JANHCA1N3016B through JANHCA1N3051B	JANHCB1N3016B through JANHCB1N3051B

* 6.6 Amendment notations. The margins of this specification are marked with asterisks to indicate where modifications from this amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.