

Microsemi, a Microchip Company

October 6, 2020

Product/Process Change Notification No: 2020-003

Change Classification: Major

Subject: Initial notification for qualification of an additional wafer fabrication site (Microchip Fab 5) for selected discrete products of Microsemi, a Microchip Company

PCN Type:

Manufacturing Change

Parts Affected:

JAN, JANTX, JANTXV, JANS, JANHC, and JANKC level products listed on the (Defense Logistics Agency (DLA) Qualified Product Database (QPD) for cage code 43611/ manufacturer's code CDWR, as well as customer source control drawings (SCD) of these product types and related commercial products.

Description of Change:

Qualification of an additional wafer fabrication site (Microchip Fab 5) for selected discrete products of Microsemi, a Microchip Company.

Pre-Change:

Fabricated utilizing 3" or 4" wafer diameters at Microsemi Lawrence, MA site.

Post Change:

Fabricated utilizing 3" or 4" wafer diameters at Microsemi Lawrence, MA or 6" wafer diameters Microchip Technology Colorado (Fab 5) site.

Pre and Post Change Summary:

	Pre-Change		Post Change
Fabrication Supplier and Location	Microsemi Lawrence, MA	Microsemi Lawrence, MA	Microchip Technology Colorado Fab 5
Die Size	No change	No change	No change
Wafer Diameter	3 or 4 inches	3 or 4 inches	6 inches
Quality Certification	AS9100 MIL-PRF-19500	AS9100 MIL-PRF-19500	AS9100/TS16949 MIL-PRF-19500

Impacts to Data Sheet:

None

Change Impact:

None

Reason for Change:

To improve manufacturability and on-time delivery performance by qualifying an additional wafer fabrication source at Microchip Technology Colorado Fab 5.

Change Implementation Status:

In Progress

Estimated First Qualification Date:

March 2021

NOTE: Please be advised that after the actual qualification date, customers may receive pre and post change parts. Future PCNs will update this estimate as applicable.

Method to Identify Change:

Date code: for MIL-PRF-19500 part numbers, the fab and assembly locations will be identified on the C of C and by a date code prefix as required by MIL-PRF-19500 and listed in the QPD.

Fab/Assembly Location	Date Code Prefix Pre-Change	Date Code Prefix Post Change
Lawrence/Lawrence	No prefix	No prefix
Lawrence/Philippines	L	L
Fab 5/Lawrence	N/A	C
Fab 5/Philippines	N/A	E

For SCD products with JAN, TX, TXV, JANS, JANHC and JANKC equivalence, fab and assembly locations will be listed on the Certificate of Conformance, C of C.

For commercial product, the C of C will remain unchanged.

Qualification Report:

Parts will be qualified per the requirements of MIL-PRF-19500 and listed on the DLA QPD as these qualifications are approved by DLA. Microchip Fab 5 has been audited and certified by DLA to MIL-PRF-19500.

Revision History:

October 6, 2020: Issued initial notification.

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Any projected dates in this PCN are based on the most current product information at the time this PCN is being issued, but they may change due to unforeseen circumstances. For the latest schedule and any other information, please contact your local Sales Office, the factory contact shown above, or your local distributor.

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