



RoHS / Lead-Free Strategy – Lowell

Microsemi Lowell produces products to serve a wide variety of applications, from commercial to space level. Many products are used in the high reliability (Hi-Rel) marketplace. Production of these devices is based largely on government specifications such as MIL-PRF-19500 which require the use of lead (Pb) in the solder coatings. All products screened to JAN, JANTX, JANTXV, and JANS are of this family of products.

Microsemi Lowell also produces numerous products used in commercial grade electronics and equipment. Many of the parts are or can be made RoHS compliant. A majority of Microsemi Lowell products are designed and built to customer source control drawings (SCDs). The design and finish have been specified by the end customer. MSC Lowell is committed to developing and supplying RoHS compliant products where appropriate, while continuing to support the existing Hi-Rel market.

- Microsemi Lowell is committed to developing RoHS compliant products to meet our customer's needs.
- Microsemi Lowell will continue to support all Hi-Rel products as specified in customer SCDs.
- Microsemi Lowell will continue to provide devices with the standard Tin/Lead (Sn/Pb) final finish terminations per current specifications. There is no plan to obsolete existing parts.
- Customers are encouraged to provide revised SCDs when procuring RoHS compliant parts, if the original SCD specifies a non-compliant finish.
- Microsemi will provide hermetic devices as RoHS complaint on a case by case, order by order basis. Specifics as to order size and part numbers available will need to be discussed with the Microsemi Lowell marketing department prior to order acceptance.
- RoHS compliant part numbers will be assigned for RoHS complaint alternative parts.
- Part marking will be per the device datasheet.
- RoHS compliance will include, where required, the applicable exemptions which allow for lead (Pb) content in glass and in high temperature lead (Pb) based solders used for internal die attach.
- All intermediate packaging will be appropriately labeled to identify RoHS compliance in conformance with JEDEC Standard No. 97.

MSC Lowell reserves the right to revise this strategy as the standards and guidelines for RoHS develop.



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