# Nichicon Pb-Free Products' Backward Compatibility with Pb-contained Process

August 28, 2006

To All Nichicon Customers:

As you are aware over the past several years there has been an emphasis on the elimination of Pb (Lead) from various products.

More recently various laws and directives have been put in place that specifically affects the electronics industry.

We are referring to the Directive of the European parliament and of the council on WEEE (Waste Electrical and Electronic Equipment), which requires fractional recovery of electronics starting in July 2005.

Further, RoHS (the Restriction of certain Hazardous Substances in Electrical and Electronic Equipment) also came into force on July 1st, 2006.

Nichicon Corp. has always been ahead of the curve in bringing to market environmentally friendly products. We began full-scale manufacture of Pb-free Tantalum Electrolytic Capacitors (resin-molded chip) in 1986. We have also been producing Pb-free lead finish and Pb-free sleeve (PET, Polyolefin or Nylon laminate case) for Aluminum Electrolytic Capacitors since 1997 and pb-free Plastic Film Capacitors since 2005.

Please note that there has been absolutely no problem in using our Pb-free parts in existing assembly processes utilizing Pb contain solder such as Sn-37Pb. Therefore, in making the change to our RoHS compliant products, there is no need to change anything in your Pb contained manufacturing process.

This bulletin is being issue not only to advise you of the fact that Nichicon's Pb-free products are "backward compatible" with Pb contained process, but to request your assistance in approving the change of our Aluminum Electrolytic and Plastic Film Capacitors to RoHS compliant Pb-free as soon as possible.

Thank you for your understanding and quick action to this request.

Sincerely Nichicon Corporation



## Product Change Notification October 30, 2007 PCN - 103007D

For the mutual benefit of both partners, it's the policy of the company to inform customers of changes that may concern Nichicon products or their specifications. This document details an intended change. The information included herein is property of Nichicon Corporation. It shall not be revealed to unauthorized persons.

## **End of Life on Pb (Lead) Contained Products**

Description of Change: Nichicon will cease production on all products that contain Pb (lead).

**Reason for Change** – Due to RoHS compliance requirements all Nichicon product will no longer be produced with Pb (lead) in the leads or sleeving material. Additionally, the availability of Pb contained material from our supply base is being eliminated.

### **Expected Influence on Quality/Reliability/Performance:**

No effect on quality, reliability, and technical performance. Please see the attached letter for backwards compatibility.

Product Category: All Nichicon product lines.

Part Numbers/Series/Families Affected: All Nichicon series and family product lines.

**Time Schedule:** Please note that this is a rolling change. If orders are in place, they will not be changed.

Last Time Order Date: November 30, 2007 for Nichicon Series UUG, UUJ, UUH;

December 31, 2007 for all other Nichicon Series Last Time Shipment Date: March 31, 2008

Sample Availability: Stock-4 weeks.

#### **Product Identification**

Part Number: Standard part number assigned all series. Generally the 11<sup>th</sup> digit of the part will identify the part as being Pb free, in some rare cases the entire series is changing. Talk to your local Nichicon Sales Rep or see the attached list for your specific parts.

Capacitor Marking: Standard marking assigned to all series.

Labeling: The exterior box will be marked as being Pb Free

Qualification Data: Generic data will be provided upon request.

Issued by: **Nichicon Corporation** If additional information is required please contact Todd Oelerich <u>unichicon-us.com</u> or Mel Nakahara <u>unichicon-us.com</u>.