



# PRODUCT CHANGE NOTIFICATION

**PCN#:** PCM-0668

**PCN Date:** 16 November, 2005

## **Product Families Affected**

Crystals: MP Series, ATS Series and ATS-SM Series

Oscillators: MXO45, MXO45T, MXO45HS, MXO45HST, MXO45LV, MXO45TLV,  
MXO45HSLV and MXO45HSTLV

## **Reason For Change**

In an effort to make CTS product environmentally friendly and compliant to the EU Directive No. 2002/95/EC, CTS is changing the product families listed above to meet the material declaration requirements of Joint Industry Guidelines (JIG) defined in controlling document JIG-101.

## **Description For Change**

The manufacturing process for the above product families is changing from a tin/lead (Sn/Pb) lead finish to a tin/silver/copper (Sn/Ag/Cu) lead finish.

The SnAgCu lead finish is capable of 260°C solder reflow processing and is backward compatible to traditional SnPb solder reflow profiles.

## **Implementation**

Implementation dates for each product family varies. The following web links will take you to selector guides that provide additional links to product specific change schedules and other RoHS information.

<http://www.ctscorp.com/components/xtal.asp>

<http://www.ctscorp.com/components/xo.asp>