



# PRODUCT / PROCESS CHANGE NOTIFICATION

100 Douglas Avenue  
Yankton, SD 57078

Preliminary    
Projected Completion Date: \_\_\_\_\_

Final

Notification Date: \_\_\_\_\_

PCN Number : **10076**

**Product Identification (Including Customer P/N):**

14 pin and 8 pin dip TCXO's, VCXO's, and XO's. Product families Include K1602SE, K1602T(E), K1603T(E), K15428D, K1525C, K1528D, K1523, K1325C

**Detailed Description of Changes:**

The solder used for component attach will be changed from tin/lead/silver solder to lead-free tin/silver solder. Also, the solder used for tinning leads and pins will be changed from a tin-lead solder to a lead free solder. A "-R" is being added to the end of the part number to indicate RoHS compliance.

**Reason for Changes:**

The change is to bring the subject products into compliance with the European Union's Reduction of Hazardous Substance (RoHS) directive.

**Projected Timing of Change and Implementation Date:**

MtronPTI expects to have a RoHS and 260C version of these products available as of April 1, 2005. All products, unless specifically ordered in a non-RoHS compliant version will have been converted no later than December 31, 2005. During this transition time, both versions may be supplied in order to deplete inventories. The RoHS compliant version will be marked with the "-R" in the part number and the marking on the product.

**Anticipated Impact on Quality and Reliability:**

The use of tin/silver solder will provide greater resistance to internal solder reflow during customers wave or hand soldering operation.

**Qualification Plan (if applicable):**

MtronPTI has used lead-free solder for surface mount product and selected dip products for over seven years. Additional testing was done on three product families to confirm resistance to 260C soldering. Solderability will be confirmed as specified in IPC/EIA/JEDEC 002B

**Last Time Buy Date:**

Non-RoHS compliant versions may be available for shipment up to December 31, 2005 unless specific arrangements have been made with MtronPTI. On-going demand for non-RoHS compliant products may be available after December 31, 2005 on a custom part number basis. Contact MtronPTI to determine non-RoHS availability and subsequent custom part number.

**Last Time Delivery Date and Comments (if applicable):**

MtronPTI Engineering: Joe Doyle Date: 2/25/2005

MtronPTI Apps. Eng'r.: Bill Jannwein Date: 2/25/2005

MtronPTI Sales or Designate: Dick Thompson Date: 5/10/2005

MtronPTI Operations: Greg Anderson Date: 2/25/2005

MtronPTI Quality Assurance: JKocak Date: 2/25/2005

**CUSTOMER ACKNOWLEDGMENT OF RECEIPT / APPROVAL:**

This PCN will be considered acceptable and become effective on the date shown if no feedback is received within 30 days of notification denoted above.

Please return this signed document to:  
MtronPTI, 100 Douglas Ave., Yankton, SD, 57078 or email to pcn@mtronpti.com

**ACKNOWLEDGMENT / APPROVAL:**

Signature: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_