



PRODUCT / PROCESS CHANGE NOTIFICATION

100 Douglas Avenue
Yankton, SD 57078

Preliminary
Projected Completion Date: _____

Final

Notification Date: _____

PCN Number : **10077**

Product Identification (Including Customer P/N):

M6001, M6002, M6003, M6004, M6005, M6006, M6007, M6008, F17250(5)B, F17350(5)B, M5001, M5002, M5003, M5004, F1139BA, F2139BA, FR-4 based products.

Detailed Description of Changes:

Component attach will be made with lead-free Sn/Ag solder. An underfill epoxy will be dispensed across the PCB to provide rigidity to components during customers reflow. All PCB's will be tinned with immersion tin. A "-R" is being added to the end of the part number to indicate RoHS compliance.

Reason for Changes:

The change is to increase part robustness during customers reflow as higher temperature non-lead solders are used to comply with the European Union's Reduction of Hazardous Substance (RoHS)

Projected Timing of Change and Implementation Date:

MtronPTI expects to have a RoHS and 260C version of these products available as of May 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:

FR-4 oscillators constructed with lead-free Sn/Ag solder with an underfill epoxy have been subjected to multiple (6) 260C re-flows with no failures.

Qualification Plan (if applicable):

FR-4 products constructed with the lead-free Sn/Ag solder with underfill epoxy have been or are undergoing multiple reflow, thermocycling, and high temperature operating life testing.

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 Jannewein 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: _____