



PRODUCT / PROCESS CHANGE NOTIFICATION

Preliminary Report

Final Report

Notification Date:

Projected Completion Date:

PCN Number : **10095**

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:

The termination finish on all PCB's will change from immersion tin to electroless nickel immersion gold (ENIG). The glass transition temperature (Tg) will increase from 130 ° C to 170° C.

Reason for Changes:

The change will improve part robustness through thermocycle and improve solderability through multiple customer reflows at the higher temperatures required for the non-lead solders being used to comply with the European Union's Reduction of Hazardous Substance (RoHS).

Projected Timing of Change and Implementation Date:

MtronPTI expects to have products available using ENIG by February 1, 2006.

Anticipated Impact on Quality and Reliability:

ENIG plated terminations have demonstrated improved solderability over immersion tin.

Qualification Plan (if applicable):

FR-4 products constructed using ENIG currently are undergoing multiple reflow, thermocycling, high temperature operating life testing. Expected time for completion is January 31, 2006.

Last Time Buy Date:

Last Time Delivery Date and Comments (if applicable):

Originated By: <u>Ted Peterson</u>	Date: <u>12/7/2005</u>
MtronPTI Engineering: <u>Joe Doyle</u>	Date: <u>12/7/2005</u>
MtronPTI Apps. Eng'r.: <u>Bill Jannwein</u>	Date: <u>12/7/2005</u>
MtronPTI Sales or Designate: <u>Dick Thompson</u>	Date: <u>12/7/2005</u>
MtronPTI Operations: <u>Greg Anderson</u>	Date: <u>12/8/2005</u>
MtronPTI Quality Assurance: <u>JKocak</u>	Date: <u>12/7/2005</u>

CUSTOMER ACKNOWLEDGMENT:

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.

PCN APPROVED: _____ Signature: _____

YES: [] NO: [] Title: _____ Date: _____

COMMENTS:

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