



**PRODUCT / PROCESS CHANGE NOTIFICATION**

**PCN Number : 10269**

|   |  |
|---|--|
| <b>Product - Change Information</b>   | <b>Customer Name:</b> ALL <b>Date:</b> 6/27/2012   |
|   | <b>Customer Part Number:</b> MA Series full size 5.0V clock oscillators (Custom PN: M2012Sxxx)<br>MAH Series half size 5.0V clock oscillators (Custom PN: M2027Sxxx)<br>M3A Series half size 3.3V clock oscillators (Custom PN: M2024Sxxx)   |
|   | <b>Product Type (Model):</b> 5.0V and 3.3V half and full size clock oscillators  |
|   | <b>Detailed Description of Changes:</b><br>The MA, MAH and M3A families (including custom part number series M2012Sxxx, M2027Sxxx and M2024Sxxx) will be going to end-of-life. They will no longer be available. Suggested replacement devices are the 5x7 mm leadless devices: M1 series (5.0V) and M2 series (3.3V). |
|   | <b>Reason for Changes:</b><br>The semiconductor used in these products has been obsoleted.   |
|   | <b>Anticipated Impact on Quality and Reliability:</b><br>Not Applicable.   |
|   | <b>Qualification Plan:</b><br>Not Applicable.  |
|   | <b>Projected Timing of Change and Implementation Date:</b><br>See dates below.   |
|   | <b>Last Buy Date:</b> 12/31/2012 (based on inventory) <b>Last Delivery Date:</b> 2/28/13 estimated (based on inventory)  |
|   | <b>Originated By:</b> <u>Mel Mehret</u> <b>Date:</b> <u>6/27/2012</u>  |
| <b>Product Engineering:</b> <u>Joe Doyle</u> <b>Date:</b> <u>6/27/2012</u>  |  |
| <b>Application Engineering:</b> <u>Mel Mehret</u> <b>Date:</b> <u>6/27/2012</u>   |  |
| <b>Sales Designate:</b> <u>Paul Dechen</u> <b>Date:</b> <u>7/3/2012</u>   |  |
| <b>Operations:</b> <u>Doug Kauth</u> <b>Date:</b> <u>6/27/2012</u>  |  |
| <b>Quality Assurance:</b> <u>JKocak</u> <b>Date:</b> <u>6/27/2012</u>   |  |
| <b>Customer</b>   | <b>Customer Acknowledgment:</b><br>If MtronPTI does not receive acknowledgement within 30 days of this notice it will be assumed that this change has been accepted by the customer.   |
|   | <b>Signature:</b> _____ <b>Title:</b> _____ <b>Date:</b> _____   |
|   | <b>Customer Comments:</b> _____<br>_____   |
| <i>Please return signed document to:</i><br><b>MtronPTI, 1703 E Hwy 50, Yankton, SD, 57078 or email to pcn@mtronpti.com</b> |  |



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| Additional Part Number Information | <b>Customer Name: ALL</b>   |                  | <b>Date: 6/27/2012</b> |
|------------------------------------|---|------------------|------------------------|
|                                    | <b>Part numbers purchased in the past 24 months, along with backlog, which would be affected by this PCN:</b> |                  |                        |
|                                    | Customer PN   | MtronPTI PN      | Frequency              |
|                                    |   | MA Series        | All                    |
|                                    |   | M2012Sxxx Series | All                    |
|                                    |   |                  |                        |
|                                    |   |                  |                        |
|                                    |   | MAH Series       | All                    |
|                                    |   | M2027Sxxx Series | All                    |
|                                    | 7018339-75  | 1242-993         | 75.000MHz              |
|                                    | 7018339-664, Rev. AD  | 1242-994         | 66.430MHz              |
|                                    |   |                  |                        |
|                                    |   |                  |                        |
|                                    |   | M3A Series       | All                    |
|                                    |   | M2024Sxxx Series | All                    |
|                                    |   |                  |                        |
|                                    |   |                  |                        |
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|                                    |   |                  |                        |
|                                    |   |                  |                        |
|                                    |   |                  |                        |