

PCN - 111004	MERCURY ELECTRONICS www.mercury-crystal.com	Revision: 0
Product: SSC Osc		Page 1 of 2
Model: HM57		Date: Oct. 4, 2011

Product Change Notice. PCN No. 111004

Affected Products:

Product Type	Mercury Spread Spectrum Oscillators
EMI Reduction	HM57 group "R" only

Reasons for the change and benefits:

Change	Benefit
Reduction of the Package Height from 1.8mm to 1.4mm	Remove unnecessary clearance inside the ceramic package. A lower profile allows for a greater clearance on the circuit board.

Description of the Changes:

Change	Description
Reduction of the Package Height from 1.8mm to 1.4mm	Mercury's HM57-R (1.8mm H) Series' last ship date is December 31, 2011. It will be replaced by Mercury's new HM572-R (1.4mm H) Series on January 1, 2012
No change in product electrical characteristics	No circuit design or any raw materials have changed, including the crystal design and the spread spectrum IC. The electrical performance, the pin configuration and the footprint remain the same. The Group "R" characteristics are still maintained.

Impact to customers:

- a. Product seat height changed from the current 1.8mm ±0.2mm to 1.4mm ±0.2mm. A pick & place nuzzle height adjustment at auto assembly station may be necessary.
- b. Part number changes

Product Type	Mercury's product prefix before this PCN: "HM57-R" with a 1.8mm height	Mercury's product prefix after this PCN: "HM572-R" with a 1.4mm height
EMI Reduction	HM57	HM572. HM572 spec. Sheet.

Implementation Plan:

Unless there are special arrangement made, this PCN applies to all HM57 products with the date code of "1L5" (5th week of December 2011) or later.

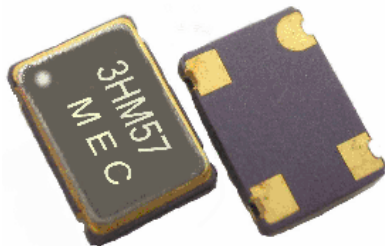
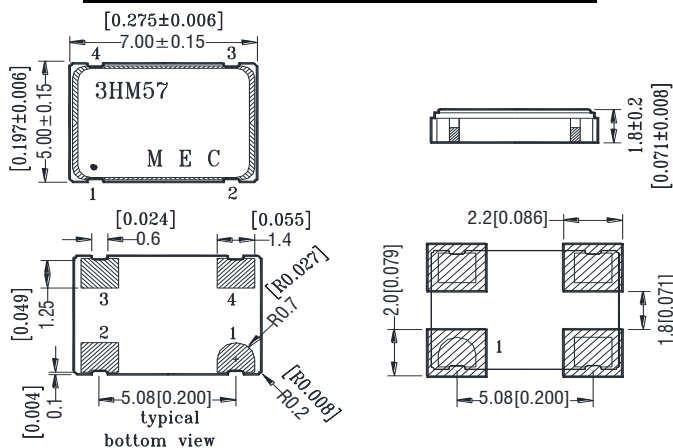


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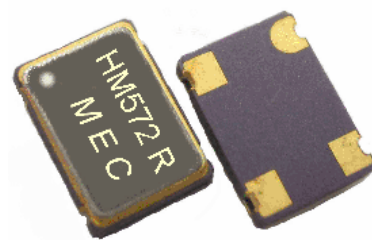
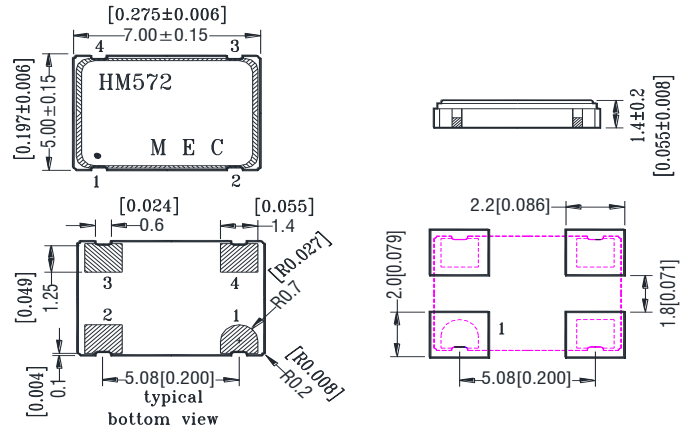
Suggestions to customers:

1. Since this is purely a mechanical change (package height reduction), no electrical performance is altered, it is safe, based on this PCN, to change the qualified Mercury part number in your BOM from 3HM57 to 3HM572.
2. If samples are required for a re-qualification, please contact Mercury. Limited quantities of Mercury's HM57 Series packages may still be available to insure a smooth transition during this re-qualification.

Before Package Height Reduction HM57



After Package Height Reduction HM572



Comments & Concerns: Please email

sales-tw@mercury-crystal.com (Asia and Europe)
or sales-us@mercury-crystal.com (North and South Americas)

Revision History

Revision	Description	Date
0	First release	October 4, 2011

