

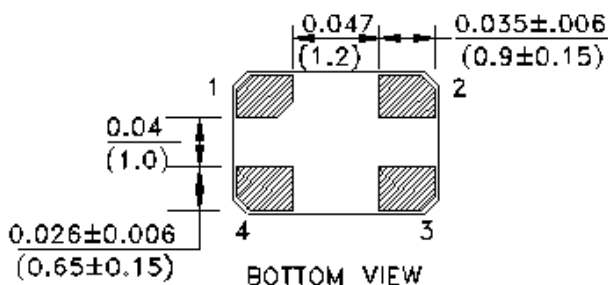
ECN/PCN No.: 3500

**For Manufacturer**

<b>Product Description:</b> CERAMIC SMD CRYSTAL	<b>Abrakon Part Number / Part Series:</b> ABM8	<input checked="" type="checkbox"/> Series <input type="checkbox"/> Part Number
<b>Affected Revision:</b> Rev. AA	<b>New Revision:</b> Rev. AB	<b>Application:</b> <input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety

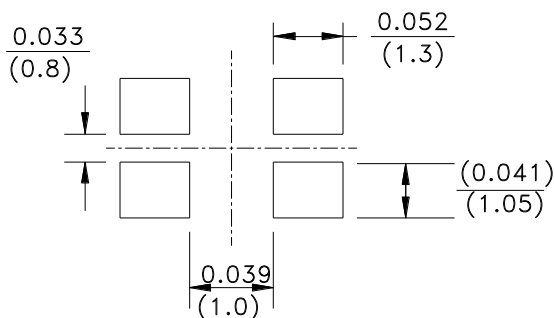
**Prior to Change:**

1. Mechanical Dimensions & Tolerances (Bottom View)

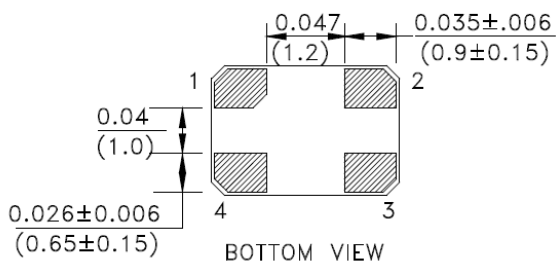


2. Landing Pattern

Recommended land pattern



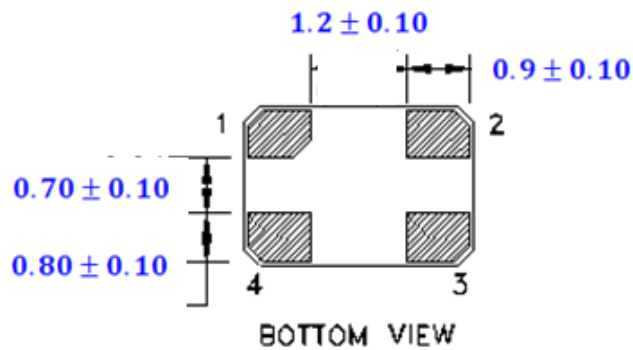
3. Chamfer Location



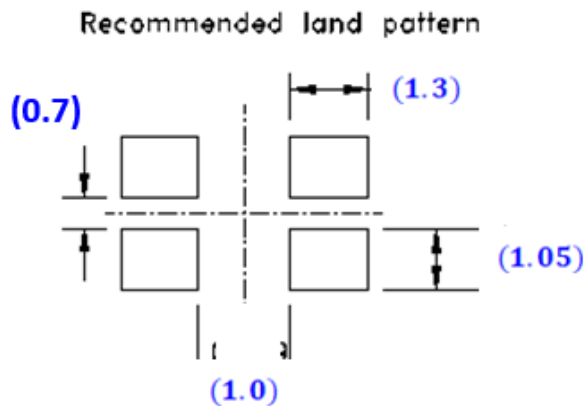
**Note:** Due to the availability of raw materials, this part may be manufactured with the chamfer on pin 4. Be advised that this does not affect the electrical characteristics of the crystal in any way.

**After Change:**

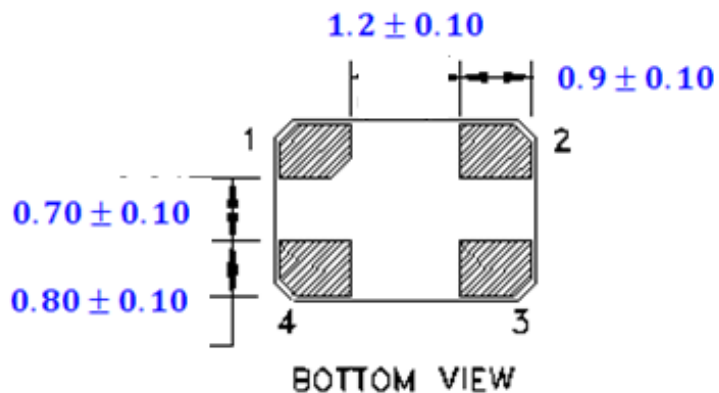
1. Mechanical Dimensions & Tolerances (Bottom View)



2. Landing Pattern



3. Chamfer Location



**Note:**

Due to material availability, the chamfer could be located on pin #1, 3, or 4. Be advised that the chamfer location has no impact on the electrical performance of the device.

**Cause/Reason for Change:**

Standard product series review and upgrade. Due to SMD package material availability, product mechanical dimensions and tolerances were adjusted, a revised landing pattern was implemented to increase ease of soldering, and an alternate pad is utilized for the chamfer pad location.

### Change Plan

**Effective Date:**

06/26/20

**Additional Remarks:**

N/A

**Change Declaration:**
Mechanical Dimensions and Tolerances:

The package mechanical dimension revisions do not impact the mechanical performance of the device.

PCB Landing Pattern:

There is no impact on the PCB layout/landing pattern for customer's existing boards. The new landing pattern was implemented to increase ease of soldering.

Chamfer Location:

The package chamfer pad location revision does not impact the mechanical or electrical performance of the device.

**Issued Date:**

06/26/20

**Issued By:**

Brooke Cushman

**Issued Department:**

Engineering

**Approval:**

*Syed Raza*  
Engineering VP

**Approval:**

*Reuben Quintanilla*  
Quality Director

**Approval:**

*Ying Huang*  
Purchasing Director

### For Abracon EOL only

**Last Time Buy (if applicable):**

N/A

**Alternate Part Number / Part Series:**

N/A

**Additional Approval:**

N/A

**Additional Approval:**

N/A

**Additional Approval:**

N/A

### Customer Approval (If Applicable)

**Qualification Status:**

Approved  Not accepted

*Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.*

**Customer Part Number:**
**Customer Project:**
**Company Name:**
**Company Representative:**
**Representative Signature:**
**Customer Remarks:**