



**Subject: PCN: Change in Wafer Fab. Location**  
**VI-CN-061110**

**Date: November 10, 2006**

**From: Mr. Joseph Beauchemin**  
**603-577-6811**

***NOTE: This PCN is intended to be a general PCN for all customers. Key customers will be notified through direct communication. VI will also post a copy on the VI Web-site (<http://www.vectron.com>) for the benefit of customers with small orders/infrequent order history or those that indirectly procure affected VI product through distribution channels.***

**To:**  
**All Customers:**

This PCN affects two SAW oscillator product type built at Vectron's U.S facility in Hudson NH. These product families utilize a VI-proprietary ASIC (P722) which is currently made by the AMS (Austria) wafer fab operation in both 4-in and 8-in wafer configurations. Affected product families include: VS-720 and SO-720.

To ensure continuity of the ASIC wafer supply and to provide a new sourcing option, Vectron recently selected and approved a second wafer fab facility, X-FAB (Germany) in a 6-in wafer configuration. The manufacturing process and line width technology utilized by X-FAB is the same as that used at the current AMS facility. The AMS 0.8 micron BiCMOS process was transferred under license to X-fab by AMS to provide additional production capability. This X-FAB manufacturing process and line width technology has already been qualified for use in our other VCSO products such as VS-700, VS-500, VS-550 and VS-751. We are in the process of completing an accelerated life test on VS-720 and SO-720 oscillators built with ASICs from the new X-Fab foundry and will have full qualification report available in Jan. 2006.

The new X-FAB ASIC incorporates no major design changes and Vectron Engineering has evaluated and approved the SAW oscillator electrical performance at various output frequencies in both the SO-720 and VS-720 configurations. This is therefore an internal change only and there is no change to the product form, fit or function. VI expects to fully ramp-up production by late 4Q2006 with the X-FAB built wafers.

This PCN is being sent as a notification only. If you need any additional information regarding this change, please contact your VI Marketing & Sales Representative or contact:

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Mr. Joe Beauchemin  
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**CUSTOMER NOTIFICATION OF PROPOSED PRODUCT/PROCESS CHANGE**

CPN Number: VI-CN-061027      VI Location Requesting  
 Change:  
 Date: May 31, 2006       MHS       NBH       PST       WTB       PDG       HUD  
 Customer Approval: Required: \_\_\_\_\_ Information Only       X

Product Code(s)/Families: SAW-based VCSO and SO oscillator product families manufactured by VI:  
 VS-720, SO-720

Part Numbers: various

Project/Application: various

Customer (s)/Location(s): \_\_\_\_\_  
 Description of Change: Wafer fab facility for the P772 VCSO/SO ASIC will change from AMS (Austria) to X-FAB (Germany) with new VI internal part P845. The wafer will be built using the same process technology and line width at the new wafer fab location.

**Effects of Change to:**

Appearance: No change

Product Identification: None.

Test Specification: None.

Performance Parameters: None.

Reliability: None.

Sample Availability Date: N/A

Estimated Shipment Date: Production ramp-up starting in late Q406

Requested Customer Response Date: N/A

Product Manager: P. Taylor      Tel.: 603-577-3005      Fax.: 603-598-0075

Respond to: J. Beauchemin      Tel.: 603-577-6811      Fax.: 603-577-6876

<b>CPN No.:</b> <b>VI-CN-061110</b>	<b>Change Description</b> Wafer fab location change from AMS to X-FAB	<b>Issue:</b> 1	<b>Date:</b> 11/10/06
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