

# Product Change Notification

<b>Notification Date: 14/12/2011</b>	<b>PCN Number</b>	20111213DGI
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**Type of Change**  
Hardware

**Affected Products**  
Barix p/n 2005.0038

**Description of Change**  
The IPAM100 (IP Audio Module) will be replaced by a new IPAM102 (IP Audio Module), which uses a different DSP chip: VS1063 from manufacturer VLSI.  
The IPAM102 is pin-to-pin compatible and also functionally back compatible with the previous module, however it lacks the SPDIF input and output.

**Reason of Change**  
A major component (Micronas Codec MAS3587) used in Barix audio products, became obsolete and not available anymore on the market. This component is used on Barix' IPAM 100 (IP audio module).  
A pin compatible replacement has been designed (IPAM 102) which will substitute the existing module.

**Effect of Change**  
All IPAM100 orders received after this PCN date onward will be fulfilled with the new IP Audio Module (IPAM102).

**Impact of Change**  
The new DSP chip requires an update of the low level firmware and drivers, allowing the application to make use of the substitute IC.  
There is no change in the base board design or higher level firmware or APIs, assuming SPDIF input and output are not used.  
It is advised that OEM customers confirm full functionality of the new hardware revision before any shipments – samples will be provided on request.

**Contact Information**  
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