




## Product Change Notification

<b>Title:</b>	<b>FireBird 4XCXP-12 3PE8 Minor Improvements</b>
<b>Our reference:</b>	PCN-AP20C13-0035-0101
<b>Date:</b>	04 June 2025
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<b>Product(s) affected:</b>	Active Silicon products affected by this change: <ul style="list-style-type: none"><li>AS-FBD-4XCXP12-3PE8(-xxx)</li></ul> <i>(where the optional '-xxx' indicates versions dedicated to specific customers)</i>
<b>Description of change:</b>	<p>Some embedded PCs had power-up sequencing that prevented the FireBird from starting up correctly. Therefore, the power startup circuit on FireBird has been revised to support these PCs, as well as standard ones.</p> <p>A PCIe "hockey stick" card retention feature has been added at the bottom right of the board to help retain the card in harsh shock and vibration environments:</p>  <p>A power sequence OK LED has been added.</p> <p>A change to PoCXP monitoring chips to replace a part with obsolescence risk.</p> <p>Other minor changes to reflect latest IC manufacturers' guidance to optimize the board for manufacture.</p>
<b>Effect that change has on operation:</b>	<p>The hockey stick retention feature affects the fit and form of the cards but is a PCIe feature and all PCIe compliant motherboards will safely allow the card to be fitted.</p> <p>Latest firmware will be needed to support the new PoCXP chips.</p> <p>The function of the board remains unchanged apart from the board properties (which can be read from software) show the 'PCB Revision' as '03'. For the previous version this was '02'.</p>
<b>How to identify original and changed product:</b>	The issue number as shown on both the label on the box and the board will change to ISS 03. The previous version was ISS 02.

<b>Date that changed product will be shipped:</b>	We expect the first production issue 3 boards to ship in June 2025 for customer approval.
<b>Notes:</b>	-