

Purpose: This Product Change Notification (PCN) is to provide notification to PHYTEC customers of component, process or other relevant engineering changes on a PHYTEC hardware subassembly. Impact, qualification, validation and approval of this change shall be documented on the corresponding Customer-Specific Modification (KSM/KSP) form for the PHYTEC hardware subassembly

Per JEDEC Standard JESD46-D Section 3.2.3; lack of acknowledgment of this PCN within 30 days constitutes acceptance of change

Type of Change		
Notice Date: 2016. 06.01 <yyyy.mm.dd>	LPN #: LPN-212e_1	
<input checked="" type="checkbox"/> Major Change <input type="checkbox"/> Minor Change		
Description of Change: NAND driver for AM335x did not check and correct bit flips in empty pages while reading. This could cause issues with UBIFS. As the file system explicit checks if a NAND page is really empty. If the problem comes up, UBIFS mounting will fail with "ubifs_scan: corrupt empty space". Update for the following BSP versions have been created: phyCORE-AM335x-PD13.1.2, BSP-Yocto-AM335x-PD15.1.1, BSP-Yocto-AM335x-PD15.2.1, BSP-Yocto-AM335x-PD15.3.0.		
Referenced Documents:		
Type of Change: <input type="checkbox"/> Lifecycle change to <input type="checkbox"/> Component change <input checked="" type="checkbox"/> Software update <input type="checkbox"/> Other	Component Change <input type="checkbox"/> Controller <input type="checkbox"/> PCB <input type="checkbox"/> RAM <input type="checkbox"/> FLASH <input type="checkbox"/> Other	Software Update necessary <input checked="" type="checkbox"/> Linux <input type="checkbox"/> Android <input type="checkbox"/> Windows <input checked="" type="checkbox"/> Other
Product Affected		
Affected PHYTEC Productgroup: phyCORE-AM335, phyFLEX-AM335, phyCARD-AM335, phyBOARD-Wega, phyBOARD-Regor, phyBOARD-Maia		
Affected PHYTEC Productgroup Part: PCM-051, PCM-060, PFL-A-03, PCA-A-XS1, PB-00802, PB-01802, PB-00702,		
Anticipated impact on Form, Fit, Function, EMI, Quality or Reliability (positive / negative):		
(1) impact in function (2) the update fix the issue in the NAND driver for AM335 Please check the Release Notes for each BSP for other changes in the new minor releases.		
Possible Measures		
<input type="checkbox"/> Change to new PHYTEC product revision with replacement part <input type="checkbox"/> Change to different option of product <input type="checkbox"/> Change to different PHYTEC Product <input checked="" type="checkbox"/> Software update <input type="checkbox"/> Interims stock \ final stock		
Schedule		
Last Time Buy (current product version): . . <yyyy.mm.dd> (Last date to set an order for the current product version) ORDERS ARE NON-CANCELABLE AND NON-RETURNABLE.		
Samples of new PHYTEC product revision available: unnecessary		
Mass production of new PHYTEC product revision: unnecessary		

Product Affected	
Affected Product Number	Replacement Product Number
PCM-051-xyz	PCM-051-xyz
PCM-060-xyz	PCM-060-xyz
PFL-A-03-xyz	PFL-A-03-xyz
PCA-A-XS1-xyz	PCA-A-XS1-xyz
PB-00802-xyz	PB-00802-xyz
PB-01802-xyz	PB-01802-xyz
PB-00702-xyz	PB-00702-xyz

PHYTEC Qualification	
The new product(s) were qualified according to our Company qualification procedure and best practices.	
<input type="checkbox"/> PCB redesign was necessary, because	<input checked="" type="checkbox"/> Software Adaption was necessary, because Linux: NAND driver issue Windows: Android:
<input checked="" type="checkbox"/> Software tests were conducted with BSP for testing: phyCORE-AM335x-PD13.1.3, BSP-Yocto-AM335x-PD15.1.2, BSP-Yocto-AM335x-PD15.2.2, BSP-Yocto-AM335x-PD15.3.2 and newer Test program: Bit Flip driver test, mtd testprogram	

Recommended Measures for Customer
<input checked="" type="checkbox"/> Software update or patch <input checked="" type="checkbox"/> Linux BSP: phyCORE-AM335x-PD13.1.3, BSP-Yocto-AM335x-PD15.1.2, BSP-Yocto-AM335x-PD15.2.2, BSP-Yocto-AM335x-PD15.3.2 <input type="checkbox"/> backward compatible Link: http://www.phytec.de/produkte/software/yocto/phytec-unified-yocto-bsp-releases/ <input type="checkbox"/> Windows BSP: <input type="checkbox"/> backward compatible Link: <input type="checkbox"/> Android BSP: <input type="checkbox"/> backward compatible Link:
<input type="checkbox"/> Update Programming Tool
<input checked="" type="checkbox"/> Fit integration test with your system and case. Phytec recommends that customers take this opportunity to review these changes against current application notes, system design considerations and customer environment conditions to assess impact (if any) to their application.

Note:
 Technical differences and similarities in the tables above may not be complete. Please refer to the manufacture datasheets for a complete comparison.

Please contact our order team to ask for an interims or final stock for components or PHYTEC products

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+86-755-3395-5875	
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Please contact our support, if you need any further information.

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Revision History of the Document

_1: Initial Document
_2:

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