

**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: **2018. 05.14** <yyyy.mm.dd>      LPN #: **LPN-337e\_1**

Major Change     Minor Change

**Description of Change:**

In order to optimize the production of the board, some adjustments must be made to the footprints of the components. The functionality, electrical properties and the position of the components were not changed. The changes only affect the production process. That's why the new PCB number is PL1358.4a.

**Referenced Documents:**

<b>Type of Change:</b> Component Change	<b>Impacted Component:</b> PCB	<b>Software Update necessary:</b> no
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**Possible Measures**

- Change to new PHYTEC product revision with replacement part
- Change to different option of product
- Change to different PHYTEC Product
- Interims stock \ final stock

**Product Affected**

**Affected PHYTEC Productgroup:**      phyCORE-AM335x

**Affected PHYTEC Productgroup Part:**      PCM-051

Affected Product Number	Replacement Product Number
all PCM-051 options	
PCM-051-KSMxy.Az	
PCM-051-KSPxy.Az	

**Anticipated impact on Form, Fit, Function, EMI, Quality or Reliability**

- (1) No impact in fit, form or function
- (2) No impact for EMC will be expected

Schedule	
<b>Last Time Buy (current product version):</b> . . <yyyymm.dd> (Last date to set an order for the current product version)	<b>ORDERS ARE NON-CANCELABLE AND NON-RETURNABLE.</b>
<b>Samples are not orderable:</b>	
<b>Planned Mass production of modules with new PCB:</b> Q2/2018	(in dependence from stock)

Engineering Change (Component, Firmware, Process, other)		
Current Part		New Part
PL1358.4	<b>PHYTEC Internal Part #</b>	PL1358.4a
Phytec	<b>Manufacturer</b>	Phytec
PL1358.4	<b>Manufacturer Part #</b>	PL1358.4a
PCB for phyCORE SOM	<b>Description</b>	PCB for phyCORE SOM

Technical Parameter			
Parameter	Original <b>PL1358.4</b>	Replacement <b>PL1358.4a</b>	Assess- ment <sup>1</sup>
Dimension	identical to replacement	identical to original	2
Position of parts	identical to replacement	identical to original	2
Pinning of Connector	identical to replacement	identical to original	2

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

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<sup>1</sup> Assessments:  
 1: Effects are to be expected  
 2: No negative effects are to be expected

PHYTEC Qualification	
The new product(s) were qualified according to our Company qualification procedure and best practices.	
<input checked="" type="checkbox"/> PCB redesign was necessary, to optimize the production of the board, some adjustments must be made to the footprints of the components.	<input type="checkbox"/> Software Adaption was necessary, because
<input checked="" type="checkbox"/> Hardware tests were conducted with: Hardware for testing: X-ray equipment Test program: Boundary Scan, production test, implementing	
Recommended Measures for Customer	
<input type="checkbox"/> Software update or patch <input type="checkbox"/> Linux 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.	

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

Please contact our support, if you need any further information.

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Revision History of the Document
_1: Initial document