

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: 2017. 03.13 <yyyymm.dd>	LPN #: LPN-252e_1	
<input type="checkbox"/> Major Change <input checked="" type="checkbox"/> Minor Change		
Description of Change: PCB 1429.4 and 1429.4-DSC will be replaced by 1429.5 and 1429.5-DSC because of PMIC layout optimization.		
Referenced Documents:		
Type of Change: <input type="checkbox"/> Lifecycle change to <input checked="" type="checkbox"/> Component change <input type="checkbox"/> Software update <input type="checkbox"/> Other	Component Change <input type="checkbox"/> Controller <input checked="" type="checkbox"/> PCB <input type="checkbox"/> RAM <input type="checkbox"/> FLASH <input type="checkbox"/> Other	Software Update necessary <input type="checkbox"/> Linux <input type="checkbox"/> Android <input type="checkbox"/> Windows <input type="checkbox"/> Other
Product Affected		
Affected PHYTEC Productgroup: phyCORE-i.MX 6, phyBOARD-Mira		
Affected PHYTEC Productgroup Part: PCM-058, PCL-058, PB-01501		
Anticipated impact on Form, Fit, Function, EMI, Quality or Reliability (positive / negative):		
(1) No impact in fit, form or function		
Possible Measures		
<input checked="" 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"/> Interims stock \ final stock		
Schedule		
Last Time Buy (current product version): . . <yyyymm.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 orderable: 02.05.2017		
Planned Mass production of new PHYTEC product revision: Q2/2017 (in dependence from stock)		

Product Affected	
Affected Product Number	Replacement Product Number
PCL-058-KSMxy.Az	PCL-058-KSMxy.Az+1
PCL-058-KSPxy.Az	PCL-058-KSPxy.Az+1
PB-01501-KSMxy.Az	PCM-058-KSMxy.Az+1
PB-01501-KSPxy.Az	PB-01501-KSPxy.Az+1
PCM-058-KSMxy.Az	PCM-058-KSMxy.Az+1
PCM-058-KSPxy.Az	PCM-058-KSPxy.Az+1

Engineering Change (Component, Firmware, Process, other)		
Current Part		New Part
PL1429.4	PHYTEC Internal Part #	PL1429.5
PHYTEC	Manufacturer	PHYTEC
PL1429.4	Manufacturer Part #	PL1429.5
PCB for PCM-058	Description	PCB for PCM-058

Technical Parameter			
Parameter	Original PL1429.4	Replacement PL1429.5	Assess- ment ¹
Package, Pitch, Form	identical to replacement	identical to original	2
Position of Controller, Ram, PMIC and Flash	identical to replacement	identical to original	2
Pinning of Connector	identical to replacement	identical to original	2

¹ 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.

PCB redesign was necessary, because C311 and R131 moved from LS to BS for PMIC layout improvements and additional minor layout improvements

Software Adaption was necessary, because
Linux:

Windows:

Android:

Software tests were conducted with

BSP for testing:

Test program:

Recommended Measures for Customer

Software update or patch

Linux BSP: backward compatible
Link:

Windows BSP: backward compatible
Link:

Android BSP: backward compatible
Link:

Update Programming Tool

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

	EUROPE	NORTH AMERICA	FRANCE
Address:	PHYTEC Messtechnik GmbH Robert-Koch-Str. 39 D-55129 Mainz GERMANY	PHYTEC America LLC 203 Parfitt Way SW Bainbridge Island, WA 98110 USA	PHYTEC France 17, place Saint-Etienne F-72140 Sillé-le-Guillaume FRANCE
Ordering Information:	+49 6131 9221-32 sales@phytec.de	+1 800 278-9913 sales@phytec.com	+33 2 43 29 22 33 info@phytec.fr
Technical Support:	+49 6131 9221-31 support@phytec.de	+1 206 780-9047 support@phytec.com	support@phytec.fr
Fax:	+49 6131 9221-33	+1 206 780-9135	+33 2 43 29 22 34
Web Site:	http://www.phytec.de http://www.phytec.eu	http://www.phytec.com	http://www.phytec.fr

	INDIA	CHINA
Address:	PHYTEC Embedded Pvt. Ltd. #438, 1st Floor, 18th Main, 6th Block, Oppt. BMT Bus Depot, Koramangala, Bangalore-560095 INDIA	PHYTEC Information Technology (Shenzhen) Co. Ltd. 2106A, Block A, Tianxia Jinniu Square, Taoyuan Road, Nanshan District, 518026 Shenzhen CHINA
Ordering Information:	+91-80-4086 7046/48 sales@phytec.in	+86-755-6180-2110 sales@phytec.cn
Technical Support:	+91-80-4086 7047/50 support@phytec.in	support@phytec.cn
Fax:		
Web Site:	http://www.phytec.in	http://www.phytec.cn

Revision History of the Document

_1: Initial Document
_2:

Documentversion: 2016-rev12