

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. 03.26** <yyyy.mm.dd> LPN #: **LPN-326e_1**

Major Change Minor Change

Description of Change:

The global reset signal X_nRESET from PCM-058 is going to be extended for 3 ms due to current internal experience to optimize boot behaviour when using "Internal Boot" mode (boot configuration is selected by the corresponding GPIO input pins BOOT_CFGx[7:0]). Therefore the preprogramming of Dialogs PMIC DA9062 (U16 FR425) will be updated. This change has no effect on the functionality of your board design if you use X_nRESET to hold external peripherals in reset state.

Referenced Documents:

Type of Change: Component Change	Impacted Component: PMIC	Software Update necessary: 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-i.MX 6

Affected PHYTEC Productgroup Part: PCM-058, PCL-058

Affected Product Number	Replacement Product Number
all PCM-058 and PCL-058	same version
PCM-058-KSMxy.Az	PCM-058-KSMxy.Az+1 only by Customer Approval for this component otherwise no new version
PCM-058-KSPxy.Az	PCM-058-KSPxy.Az+1 only by Customer Approval for this component otherwise no new version
PCL-058-KSMxy.Az	PCL-058-KSMxy.Az+1 only by Customer Approval for this component otherwise no new version
PCL-058-KSPxy.Az	PCL-058-KSPxy.Az+1 only by Customer Approval for this component otherwise no new version

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

(1) No impact on Form, Fit or Function.

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: 2018-03-26 only by Customer Approval for this component otherwise no samples available	
Planned Mass production of Product with new component: Q2/2018 (in dependence from stock)	

Engineering Change (Component, Firmware, Process, other)		
Current Part		New Part
FR425	PHYTEC Internal Part #	FR513
Dialog	Manufacturer	Dialog
DA9062 79A5	Manufacturer Part #	DA9062 0B7B
PMIC	Description	PMIC

Technical Parameter			
Parameter	Original DA9062 79A5	Replacement DA9062 0B7B	Assess- ment ¹
Signal X_nRESET	-	+ 3 ms	2
Device ID	62.10.04.01	62.12.FF.1A	2
Voltage level	identical to replacement	identical to original	2
Power-Up sequence	identical to replacement	identical to original	2
Die version	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.

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.	
<input type="checkbox"/> PCB redesign was necessary, because	<input type="checkbox"/> Software Adaption was necessary, because
<input type="checkbox"/> Software tests were conducted with BSP for testing: Test program:	
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
_2: