

Type of Change		
Date: 2020. 03.12 <yyyy.mm.dd>	Document Number: LPN-411_1 Preliminary Version	
<input checked="" type="checkbox"/> Major Change <input type="checkbox"/> Minor Change		
Description of Change: During the verification of PCL-069.A2 it has become obvious, that the signal X_PWM1/GPIO1_I000 is not connected to a PWM output of the controller. To offer a SOM with full PWM functionality it is necessary to connect the correct PWM1 output of the controller (AF14) to the module footprint ball C36. In order to reflect the change the signal will also be renamed to "X_PWM1/GPIO1_I001". The signal previously connected to controller pin AF14 (nETH_INT) will be moved to the controller pin AG14. No further hardware change is necessary for this topic.		
Type of Change: Component Change	Impacted Component: PCB	Software Update necessary: Yes

Affected Product	
Affected PHYTEC product group:	phyCORE®-i.MX 8M Mini
Affected PHYTEC product group part:	PCL-069
Affected Product Number	Replacement Product Number
PCL-069.A2	PCL-069-1032311I.A1

Possible Options	
<input checked="" type="checkbox"/>	Change to new product revision with replacement pcb PL1518.2
<input type="checkbox"/>	Change to different PHYTEC product not necessary
<input type="checkbox"/>	Change to different option of product not necessary
<input type="checkbox"/>	Final stock not necessary

Schedule	
Last Time Buy (current product version): (Last date to set an order for the current product version)	. . . <yyyy.mm.dd> ORDERS ARE NON-CANCELABLE AND NON-RETURNABLE.
Samples of new PHYTEC product revision orderable:	by demand
Planned mass production of new PHYTEC product revision:	tbd

Anticipated Impact on Form, Fit, Function, EMC, Quality or Reliability
(1) impact in function

Engineering Change (Component, Firmware, Process, other)		
Current Part		New Part
PCB for phyCORE®-i.MX 8M Mini	Description	PCB for phyCORE®-i.MX 8M Mini
Sunshine PCB	Manufacturer	Sunshine PCB
PL1518.1a	Manufacturer Part #	PL1518.2
PL1518.1a	PHYTEC Internal Part #	PL1518.2

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: See description of changes.	<input checked="" type="checkbox"/> Software adaption was necessary: Devicetree adaptation necessary for correct PIN functionality.
<input type="checkbox"/> Software tests were conducted with: BSP used: tbd Test programs: tbd	

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"/> Test the recommended measures in combination with your system and use case. PHYTEC recommends that customers take this opportunity to review these changes against their specifications, system design considerations, and 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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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.

Revision History of the Document
_1: Initial document