

PCN – Product Change Notification

Topic:	Correction in Open Circuit Detection
	UBX-TN-06017
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1 Affected Products

Technology	Product Name	Order Number	Data Code (Old)	Data Code (New)	Remarks
ANTARIS 4	LEA-4A	LEA-4A-0-000-x	140200. <u>0200</u> .000	140200. <u>0300</u> .000	
ANTARIS 4	TIM-4A	TIM-4A-0-000-x	141200. <u>0400</u> .000	141200. <u>0500</u> .000	

2 Type of Change

Hardware modification

Firmware update

Others, _____

3 Description of Change

u-blox has identified and corrected a technical non-conformity of its TIM-4A and LEA-4A products.

4 Schedule

The rollout of the revised hardware in module production will begin in Q3/2006.

5 Customer Impact and Recommended Action

The "Open Circuit Detection (OCD)" input will not detect an "open circuit" regardless of the logical level of the AADET_N pin. The "Short Circuit Detection" as well as all other functions of the module are not affected and work as expected. Modules with the new data code will no longer show this problem.

Work-around

By sending a UBX-CFG-CFG (save current configuration) message followed by a UBX-CFG-RST message (hotstart, controlled reset), the module will be reconfigured and recognize an "open circuit" as described in section 4.3.4.1 of the ANTARIS 4 GPS Modules System Integration Manual.

Commands:

UBX-CFG-CFG: B5 62 06 09 0D 00 00 00 00 00 FF FF FF FF 00 00 00 00 07 1F A2

UBX-CFG-RST: B5 62 06 04 04 00 00 00 01 00 0F 66

This work-around works on all existing LEA-4A and TIM-4A modules and it will work on all future, corrected LEA-4A and TIM-4A modules.