

Product Change Notification PCN.2011.05.03.1

Transition from
Robin Z530L V2.0b to Robin Z530L V2.0c

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1. Toradex Product Numbers Affected

Production Module EOL		Replacement	
Part Number	Product Name	Part Number	Product Name
01252001	Robin Z530L V2.0b	01252002	Robin Z530L V2.0c

2. Product Phase in / Phase out Schedule

Production Module EOL		Replacement	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
01252001	LTB (Last Time Buy): LTS (Last Time Ship): Toradex will continue to sell existing inventory until the stock is depleted.	01252002	Volume Production: May, 2011

There is no sample phase for this new revision. The current revision will be replaced with a direct transition to the new revision.

Customers are strongly encouraged to convert their designs to the replacement parts listed above. Toradex also advises customers to carefully validate the new module before their production release.

3. Description of Changes

From 01252001 to 01252002 (version 2.0b to 2.0c)

- The Realtek Gigabit Ethernet Controller RTL8111C is replaced by its newer version RTL8111D



4. Customer Impact

4.1. Hardware Design

- The required external circuits of the RTL8111D are equal to the one of RTL8111C. Therefore there is no need for a change on the customer carrier board.
- The power consumption of RTL8111D is reduced by around 100mW at heavy traffic with gigabit link. This can reduce the overall power consumption of the Robin Z530I V2.0c by up to 100mW

4.2. Software

- The RTL8111D uses the same driver as the RTL8111C
- Vendor ID and Device ID of both controllers are identical but the revision index has changed from 02 to 03. Therefore the OS may will recognise it as different device and will reinstall the driver.

5. Definitions

LTB: Last Time Buy

LTS: Last Time Ship

EOL: End Of Life