

# Product Change Notification (PCN)

Transition from

Analogue Camera Module V1.1A to Analogue Camera Adapter V2.0A

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## 1. Toradex Product Numbers Affected

EOL Product		Replacement Product	
Part Number	Product Name	Part Number	Product Name
01191100	Analogue Camera Module V1.1A (ACM V1.1A)	01192000	Analogue Camera Adapter V2.0A (ACA V2.0A)

## 2. Product Phase in / Phase out Schedule

Supplies of the discontinued product are limited. All orders will be filled on a first-come, first-served basis until our inventory is depleted.

EOL Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
01191100	Product will be sold until inventory is depleted.	01192000	Sample Production: Available now

Toradex advises customers to carefully validate the new product version before their production release.

## 3. Description of Changes

From 01191100 Analogue Camera Module V1.1A to 01192000 Analogue Camera Adapter V2.0A:

- Removed Maxim IC  
The old ACM V1.1A had a Maxim and Analog Devices converter chip assembled. In the new version ACA V2.0A we removed the Maxim chip.
- Changed Analog Devices part number  
We changed from ADV7180 to ADV7280. The new converter chip supports hardware de-interlacing.
- Changed digital connector pin-out  
The connector X1 for the parallel digital camera output has a changed pinout. We support 8-bit data only. These 8 bit are compatible to the predecessor version. The upper data bits were removed and replaced with some control signals for the converter chip. See datasheet for details.
- Improved layout  
Due to the fact that we removed one converter IC, we were able to improve the layout for the critical signals.

## 4. Customer Impact

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### 4.1. Hardware Design

- The new product is compatible when using 8-bit data only. The new product supports 8-bit only! Furthermore, some control signals are now available on the connector X1 which were not available before. Please check the ACA V2.0A datasheet for details.

### 4.2. Software

- Software changes are needed to support the new ACA product. Please check our developer website for details. We support out of the box support in our latest Linux images (V2.5 beta 6). Under WinCE we provide a demo application for Tegra modules. No support is available at the time of this PCN for other modules under WinCE.

## 5. Contact

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Please contact Toradex if you have any questions.

For commercial and sales questions please contact [shop@toradex.com](mailto:shop@toradex.com)

For technical questions please contact [support.arm@toradex.com](mailto:support.arm@toradex.com)