Product Change Notification (PCN)

Transition from CSI Camera Module 5MP OV5640 V1.1A to CSI Camera Module 5MP OV5640 V1.1B

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1. Toradex Product Numbers Affected

EOL Product		Replacement Product	
Part Number	Product Name	Part Number	Product Name
01491100	CSI Camera Module 5MP OV5640 V1.1A	01491101	CSI Camera Module 5MP OV5640 V1.1B

2. Product Phase in / Phase out Schedule

EOL Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
01491100	Product will be sold until inventory is depleted.	01491101	Limited numbers available now.

3. Description of Changes

From 01491100 CSI Camera Module 5MP OV5640 V1.1A to 01491101 CSI Camera Module 5MP OV5640 V1.1B:

– Oscillator OSC1 is now assembled and IC4 removed. This change is done to generate the master clock needed by the MIPI CSI camera on the camera module itself instead of taking the clock provided externally.
This change improves EMC (no external master-clock signal needed) and furthermore allows using the camera module with hosts which cannot provide a master-clock.

4. Customer Impact

4.1. Hardware Design

– Customers are not required to provide the master clock through connector X2 pin 12 anymore. However, still having the clock on this pin does not harm the camera module as pin 12 is not connected anymore on V1.1B.

4.2. Software

– To prevent EMI issues, it is recommended to disable the master-clock which is not needed anymore by the new CSI Camera Module 5MP OV5640 V1.1B. It will be kept enabled in future BSPs for compatibility reasons.

Details can be found here: https://developer.toradex.com/csi-camera-module-5mp-ov5640-linux

5. Definitions

EOL: End Of Life

6. Contact

Please contact Toradex if you have any questions.

For commercial and sales questions please contact shop@toradex.com

For technical questions please contact support@toradex.com