

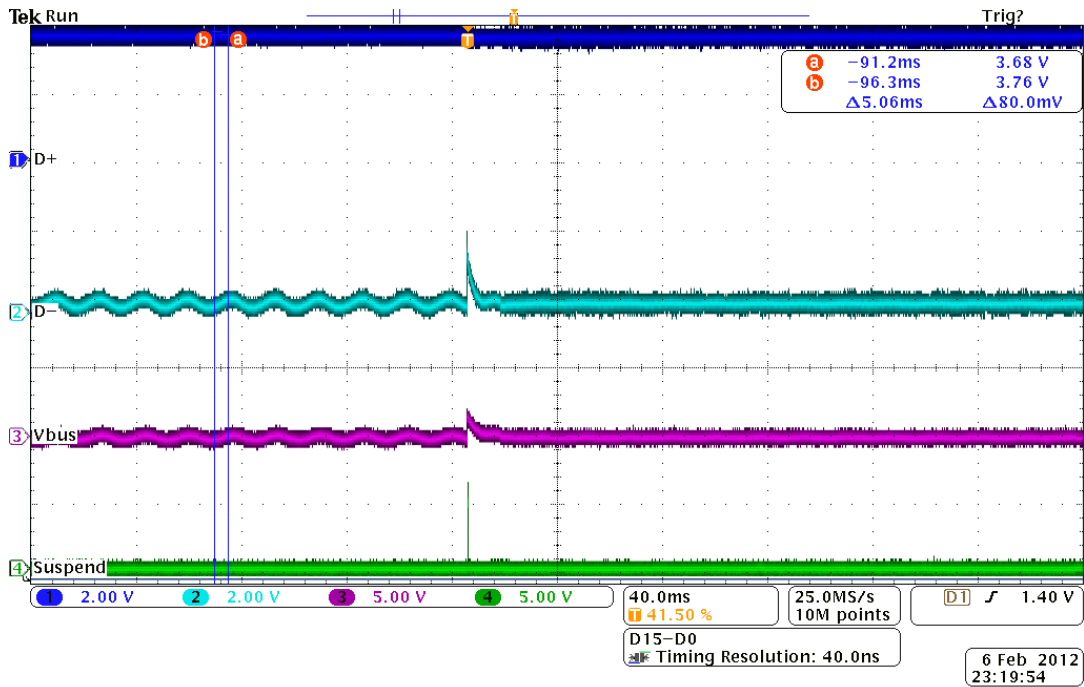
Mask Set Errata for Device Marking 0B10

1 Introduction

This report applies for the USB2SERA10 product with device marking 0B10.

The self-powered device does not enumerate when plugged into the USB port.

Description—When the device is powered through a different power supply other than Vbus prior to establishing a connection, the device may not enumerate, and stay in Suspend mode indefinitely. This is caused by an electrical noise on the D+ and D– lines when the USB cable is plugged and the connector cable shield make contact, see the figure below. The occurrence of this issue may vary depending on the cable used and the type of connectors.



Workarounds

- Working in Bus Powered mode prevents the issue from occurring
- After connecting the device, a reset may be applied to the device to exit Suspend mode and resume normal operation.
- Power the device after plugging both ends of the USB cable.
- Connecting the B terminal of the cable before the A terminal also reduces the occurrence of the issue.

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