USB 3.0 ENGINEERING CHANGE NOTICE

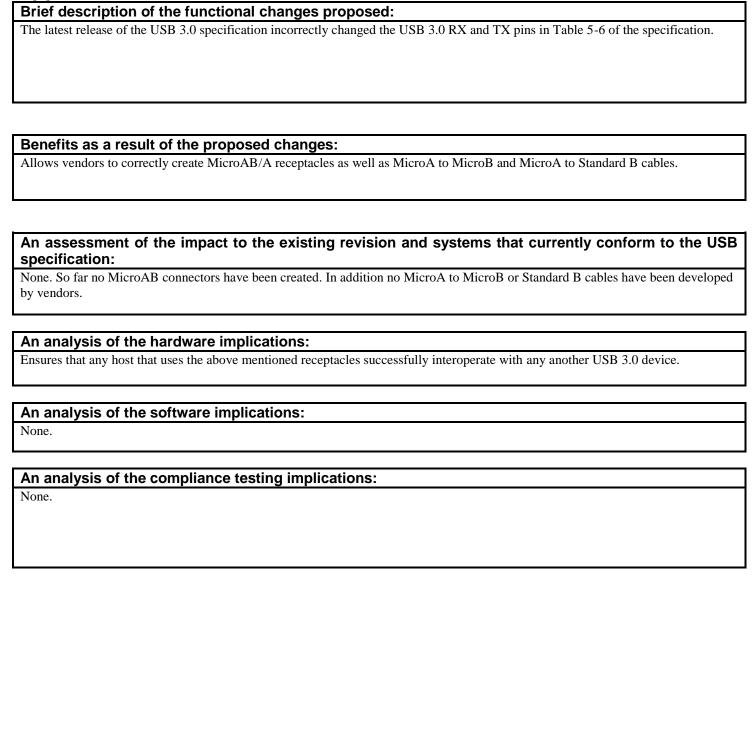## ECN# 017

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Title: USB3.0 MicroAB Connector
Applied to: USB3_r1.0_06_06_2011

Brief description of the functional changes proposed:

The latest release of the USB 3.0 specification incorrectly changed the USB 3.0 RX and TX pins in Table 5-6 of the specification.

Benefits as a result of the proposed changes:

Allows vendors to correctly create MicroAB/A receptacles as well as MicroA to MicroB and MicroA to Standard B cables.

An assessment of the impact to the existing revision and systems that currently conform to the USB specification:

None. So far no MicroAB connectors have been created. In addition no MicroA to MicroB or Standard B cables have been developed by vendors.

An analysis of the hardware implications:

Ensures that any host that uses the above mentioned receptacles successfully interoperate with any another USB 3.0 device.

An analysis of the software implications:

None.

An analysis of the compliance testing implications:

None.

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Actual Change Requested

(a). From Table (and location): Table 5-6, Page 5-34

Table 5-6.   USB 3.0 Micro-AB/-A Connector Pin Assignments

Pin Number	Signal Name	Description	Mating Sequence
1	VBUS	Power	Second
2	D-	USB 2.0 differential pair	Last
3	D+		
4	ID	OTG identification	
5	GND	Ground for power return	Second
6	MicA_SSRX-	Super Speed receiver differential pair	last
7	MicA_SSRX+		
8	GND	Ground for SS signal return	Second
9	MicA_SSTX-	Super Speed transmitter differential pair	Last
10	MicA_SSTX+		
Shell	Shield	Connector metal shell	First

Note: TX and RX are defined when an OTG device serves as a host.

To Table (and location): Table 5-6, Page 5-34

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Shell	Shield	Connector metal shell	First