

USB Type-C ENGINEERING CHANGE NOTICE

Title: Input Pulse Tb

Applied to: USB Type-C Specification Release 1.0, August 11, 2014

Brief description of the functional changes:

In Figure 3-44. There is a typo for T_b value, which should be updated to 100ps to cover 10Gbps signaling.
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Benefits as a result of the changes:

Editorial change to update Figure to be in conformance with specification definition.

An assessment of the impact to the existing revision and systems that currently conform to the USB specification:
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Editorial only. No impact.

An analysis of the hardware implications:
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Editorial only. No impact.

An analysis of the software implications:
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N/A

An analysis of the compliance testing implications:
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N/A

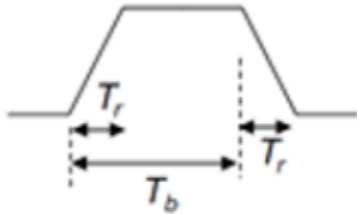
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Actual Change

(a). Section 3.7.3.2.2, Figure 3-44, Page 78

From drawing:

Figure 3-44 Input Pulse Spectrum



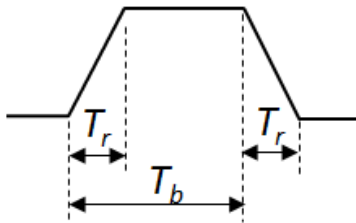
$$|V_{in}(f)| = \left| \frac{\sin(\pi f T_r)}{\pi f T_r} \cdot \frac{\sin(\pi f T_b)}{\pi f T_b} \right|$$

T_b =Unit interval=50 ps

T_r =0 to 100% rise time= $0.4T_b$

To drawing:

Figure 3-44 Input Pulse Spectrum



$$|V_{in}(f)| = \left| \frac{\sin(\pi f T_r)}{\pi f T_r} \cdot \frac{\sin(\pi f T_b)}{\pi f T_b} \right|$$

T_b =Unit interval=100 ps

T_r =0 to 100% rise time = $0.4T_b$