

USB Type-C ENGINEERING CHANGE NOTICE

Title: Receptacle Shell Design

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

Brief description of the functional changes:
Section 3.2.1 note 7: Reference dimension is shown with a tolerance and the tolerance is not correct (off by a factor of 10). Add clarification to note regarding receptacle design and implementation. Figure 3-61: Update the tolerance in the figure to match the text.

Benefits as a result of the changes:
Corrects editorial errors in the specification and adds clarification to implementation requirements

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

An analysis of the hardware implications:
No impact. Editorial updates and corrections.

An analysis of the software implications:
N/A

An analysis of the compliance testing implications:
N/A

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Actual Change

(a). Section 3.2.1, Page 27

From Text:

7. This specification defines the USB Type-C receptacle shell length (6.20 ± 0.02 mm) as a reference dimension. The receptacle shell length of 6.2 mm provides proper mechanical and electrical mating of the plug to the receptacle in addition to providing both the plug and receptacle a defined configuration to design to for the wrenching and contact mating requirements. The USB Type-C receptacle at the system level should be implemented such that the USB Type-C receptacle connector mounted in the associated system hardware has an effective shell length equal to the reference dimension.

To Text:

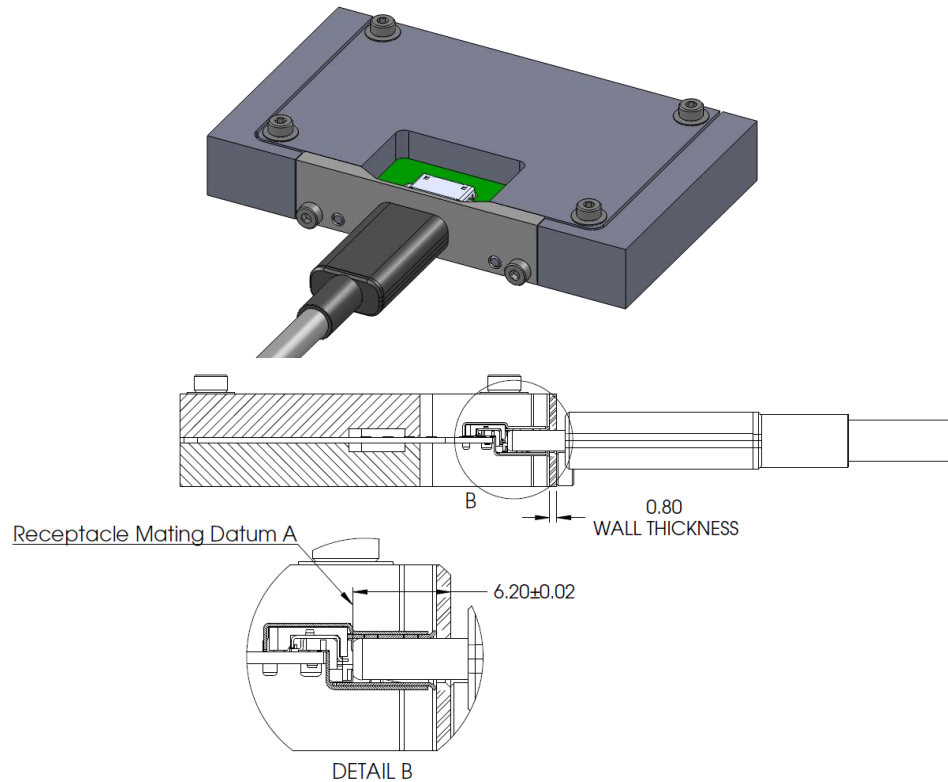
7. This specification defines the USB Type-C receptacle shell length of 6.20 mm~~(6.20 ± 0.02 mm)~~ as a reference dimension. The Type-C receptacle is designed to have shell length of 6.20 ± 0.20 mm to provides proper mechanical and electrical mating of the plug to the receptacle ~~in addition to providing both the plug and receptacle a defined configuration to design to for the wrenching and contact mating requirements~~(e.g., full seating of the plug in the receptacle and protection of the receptacle tongue during insertion/withdrawal). The USB Type-C receptacle at the system level should be implemented such that the USB Type-C receptacle connector mounted in the associated system hardware has an effective shell length equal to ~~the reference dimension~~ 6.20 ± 0.20 mm.

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(b). Section 3.8.1.7, Figure 3-61, Page 96

From figure:

Figure Error! No text of specified style in document.-1 Reference Wrenching Strength Continuity Test Fixture



To figure:

Figure Error! No text of specified style in document.-2 Reference Wrenching Strength Continuity Test Fixture

