USB Type-C ENGINEERING CHANGE NOTICE

Title: USB Type-C ECR for Mated Connector SI requirements
Applied to: USB Type-C Specification Release 2.0, August 2019

Brief description of the functional changes proposed:

Clarify that the mated connector SI requirements apply to only the receptacle connector.

Benefits as a result of the proposed changes:

Eliminates confusion regarding if the plug connector also has the same SI requirements.

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

N/A

An analysis of the hardware implications:

N/A

An analysis of the software implications:

N/A

An analysis of the compliance testing implications:

N/A

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Actual Change Requested

(a). Section 3.7.4, Page 112
From Text:

3.7.4 Mated Connector (Normative – USB4 Gen3)
The mated connector requirements for *USB4* Gen3 is normative and listed in Table 3-29. Unless otherwise specified, the items to be specified are identical to what defined in Section 3.7.3 and the parameters used to calculate the integrated parameters are the same as defined in Section 3.7.2.4 for the *USB4* Gen3 cable assembly.

To Text:

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The mated connector requirements only apply to the certification of the USB Type-C receptacle connector. The requirements defined in this section do not apply to the USB Type-C plug connector, as the limits factor in the electrical characteristics of test fixture specifically designed for testing of the USB Type-C receptacle. The USB Type-C plug connector does not have a set of requirements defined at the mated connector level as there are tradeoffs allowed to achieve acceptable performance at the finished assembly level.