

USB Type-C ENGINEERING CHANGE NOTICE

Title: Adapter Assembly Shield Grounding Clarification Applied to: USB Type-C Specification Release 2.0, August 2019

Brief description of the functional changes proposed:
Clarify grounding requirements for the shield connections in USB Type-C adapter assemblies. Update wording to match the text used for all USB Type-C to legacy cable assemblies.

Benefits as a result of the proposed changes:
Clearly state that the shield connection is attached to ground to provide for best RFI shielding.

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 (Shielding effectiveness compliance already included in compliance testing.)

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Actual Change Requested

(a). Section 3.6.1, Table 3-19 note 5, Page 86

From Text:

5. All Ground return pins shall be connected together within the USB Type-C plug.

To Text:

5. Shield and GND grounds shall be connected within the USB Type-C plug and USB 3.1 Standard-A receptacle on both ends of the adapter assembly.

(b). Section 3.6.2, Table 3-20 note 4, Page 87

From Text:

4. All Ground return pins shall be connected together within the USB Type-C plug.

To Text:

4. Shield and GND grounds shall be connected within the USB Type-C plug and USB 2.0 Micro-B receptacle on both ends of the adapter assembly.