Features

- Protection of all lines (data, control and power)
- Common mode filters for USB 2.0 and USB 3.1 lines on STEVAL-OET004V1D
- Plug and receptacle enabling insertion of the PCB between host and cable or device and cable

Description

The STEVAL-OET004V1 kit is designed to evaluate ESD protection and filtering solutions by ST for USB Type-C connectors.

Different PCBs in the kit provide protection solutions for different packages:
- STEVAL-OET004V1A for 0201 packages
- STEVAL-OET004V1B for 400 µm packages
- STEVAL-OET004V1C for 500 µm packages
- STEVAL-OET004V1D for 500 µm and 0201 packages
1 Schematic diagrams

Figure 1: STEVAL-OET004V1A circuit schematic: protection solution with 0201 packages

Figure 2: STEVAL-OET004V1B circuit schematic: protection solution with 400 µm packages
Figure 3: STEVAL-OET004V1C circuit schematic: protection solution with 500 µm packages

Figure 4: STEVAL-OET004V1D circuit schematic: protection and filtering solution with 500 µm and 0201 packages
2 Revision history

Table 1: Document revision history

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<tr>
<td>25-Aug-2016</td>
<td>1</td>
<td>Initial release.</td>
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<td>16-Dec-2016</td>
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<td>Text edits.</td>
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