





Note on TX-/TX+

The common-mode DC on RX and TX lines must be less than 2 V, but VL670 has up to 2.2 V DC at TX lines (RX lines are okay).

Thus, we need to block DC by C5 and C6, then use R16 and R17 to re-bias the operating point to 0 V.

C1/2/3/4 are always needed to block DC at the host. C5/6 and R16/17 are only needed when common-mode DC is greater than 2 V, like VL670.

Use 0402 or smaller for R16/17 to minimize stub.

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Sheet: /USB AC CAP/ESD/MUX/

File: usb-c.sch

Title: USB-C Schematic - VL670/671 Development Board

Size: A4 Date: 2021-10-26

KiCad E.D.A. kicad 5.1.10-6.fc33

Rev: v0.02

Id: 2/4

