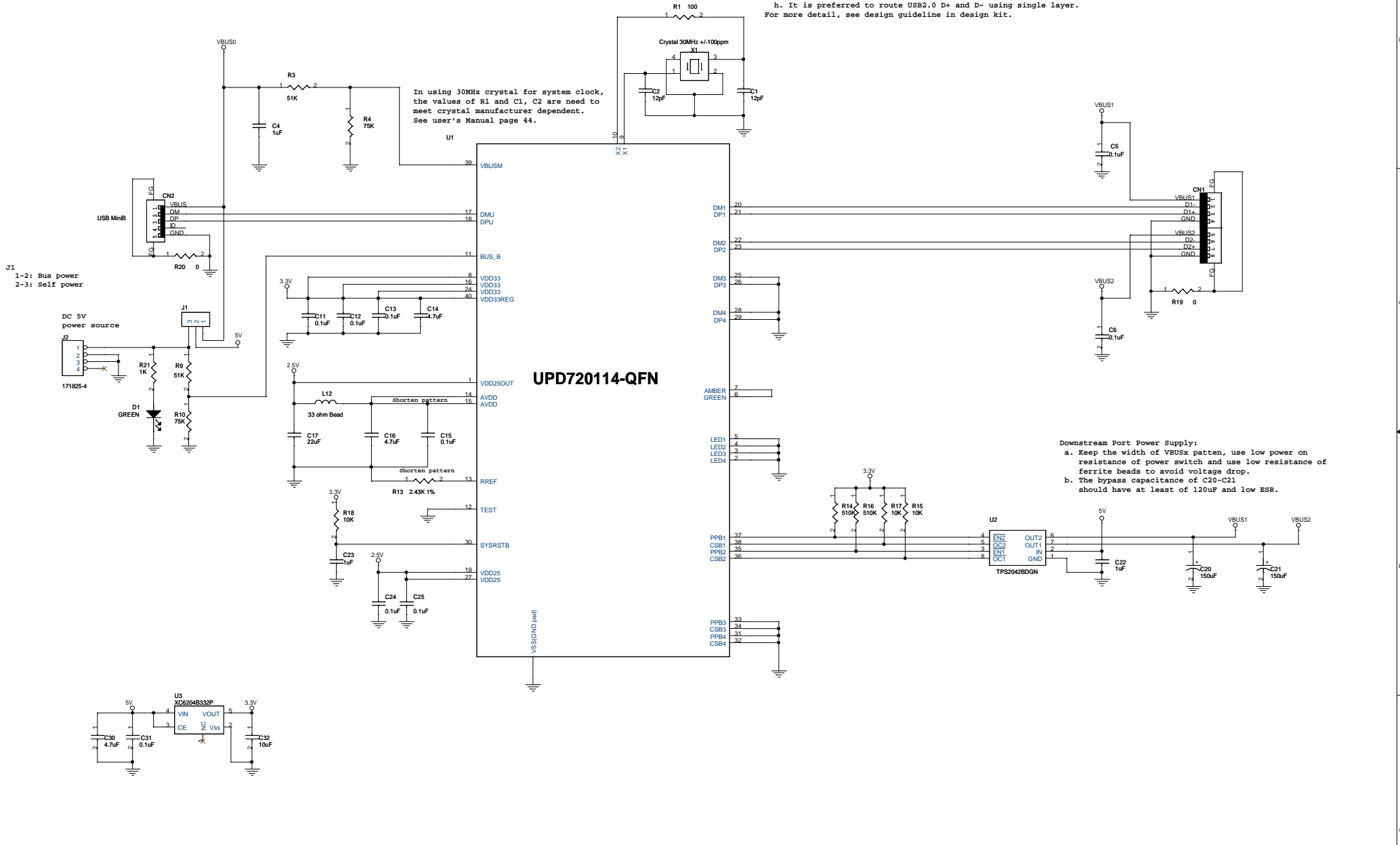




uPD720114(QFN) USB2.0 2port  
Bus-/Self-powered hub  
ET-D720114 Reference Board

- USB signal line trace:
- Keep traces of USB bus D+ and D- in the same length.
  - Achieve 90 ohm differential characteristic impedance.
  - Achieve 45 ohm common characteristic impedance.
  - Maintain parallelism between D+ and D-.
  - Do not route USB2.0 D+ and D- over the power plane split.
  - Do not route USB2.0 D+ and D- over the other high frequency signals.
  - It is preferred to route USB2.0 D+ and D- over ground layer.
  - It is preferred to route USB2.0 D+ and D- using single layer.
- For more detail, see design guideline in design kit.



**\*All resistors are 5% tolerance unless specified otherwise**

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