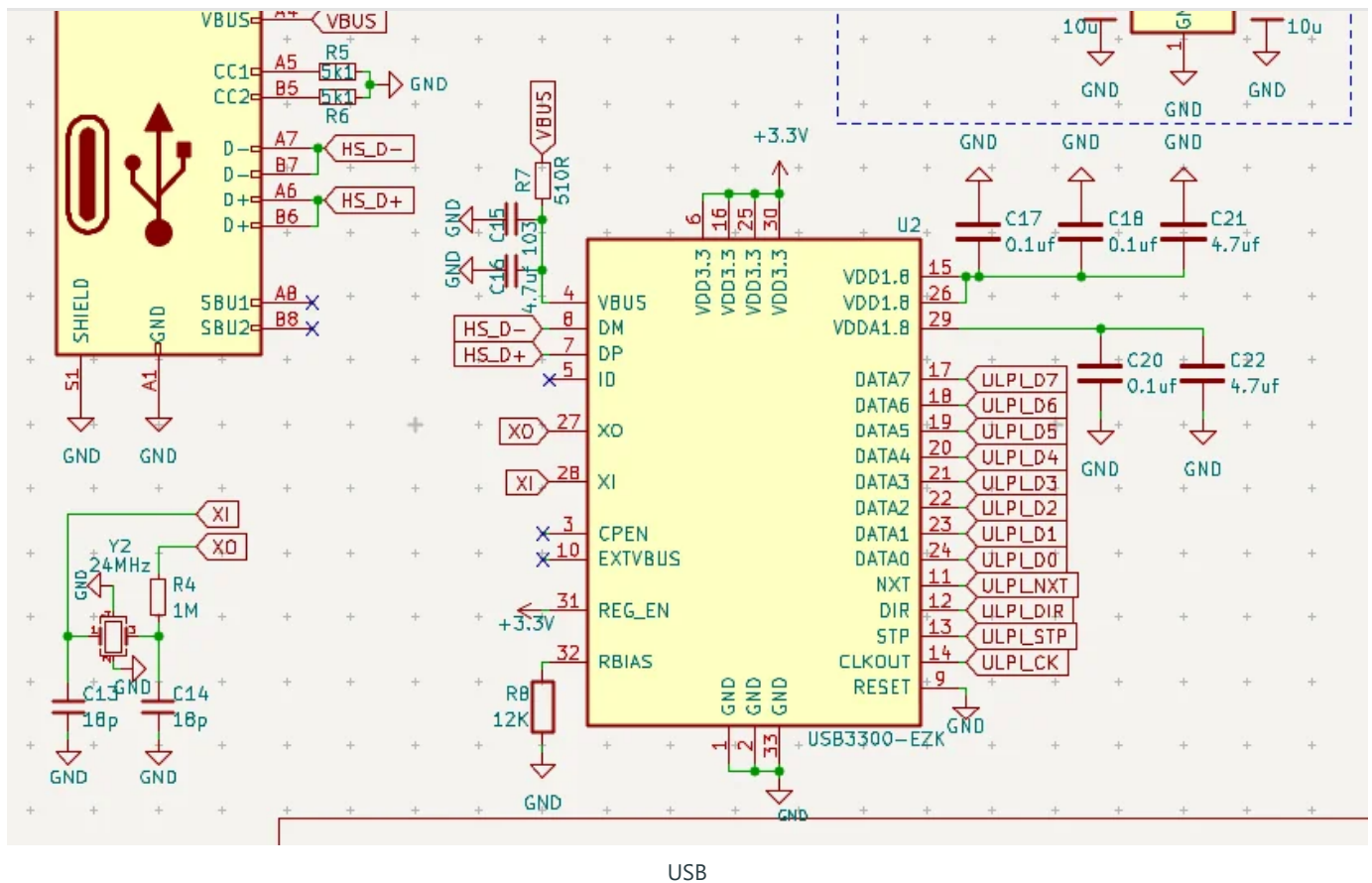


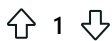
...

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Edit: R4 is now in parallel, the +3.3V on the right of L1 is now +3.3VA and added +5v to the VBUS.



12

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wfriedrich • 2y ago

R4 (1Meg resistor) should be across XI and XO, not inline.

I did not see any other +5V power label, other than on the regulator input. I am guessing this should be connected to VBUS.

L1 is useless as it has the same +3.3V net on both sides.

For beautification, please draw the GND power label only downward pointing, makes a much more readable schematic.

Edit: added L1 comment.



3

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Yes, I had another look and it is right that they should be in parallel.

I did not see any other +5V power label, other than on the regulator input. I am guessing this should be connected to VBUS.

I've added one now.

L1 is useless as it has the same +3.3V net on both sides.

Silly of me to have overlooked the fact that it should be a +3.3VA instead of a +3.3V on the right.

For beautification, please draw the GND power label only downward pointing, makes a much more readable schematic.

Thanks for the feedback and will do so in the future.

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**PJ796** • 2y ago

L1 is shorted btw. I assume the right side should say +3.3VA instead of just +3.3V?

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**\_nsfoe** [OP](#) • 2y ago

Correct. I have changed it now. Thank you for your reaction.

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⊕ 1 more reply



**PositiveEnergyMatter** • 2y ago

You know there are crystals that don't need the extra components

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**\_nsfoe** [OP](#) • 2y ago

I did not know this. Are there any benefits other than fewer extra components?

⊖ ↑ 1 ↓ [Reply](#) [Share](#) ...



**PositiveEnergyMatter** • 2y ago

Simpler is better to me, less likely to make a mistake like you did too :). They are pretty cheap, probably cheaper than all your components combined.

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**mjamesqld** • 2y ago

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2. 1M resistor should be across the crystal not in-line
3. Where does +5V come from?

I'll let someone else pick the MCU page apart

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**\_nsfoe OP** • 2y ago

Thank you for your response. I think everything is OK for the usb now.  
<https://imgur.com/a/r6S8zuW>

edit: Added picture

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⊕ **[deleted]** • 2y ago



**Enlightenment777** • 2y ago

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