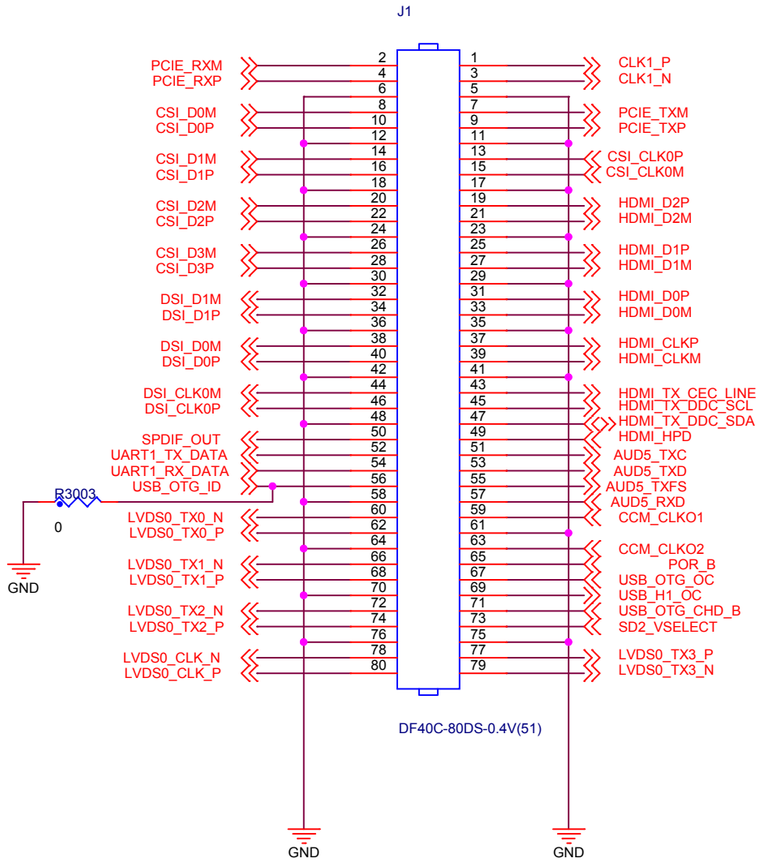
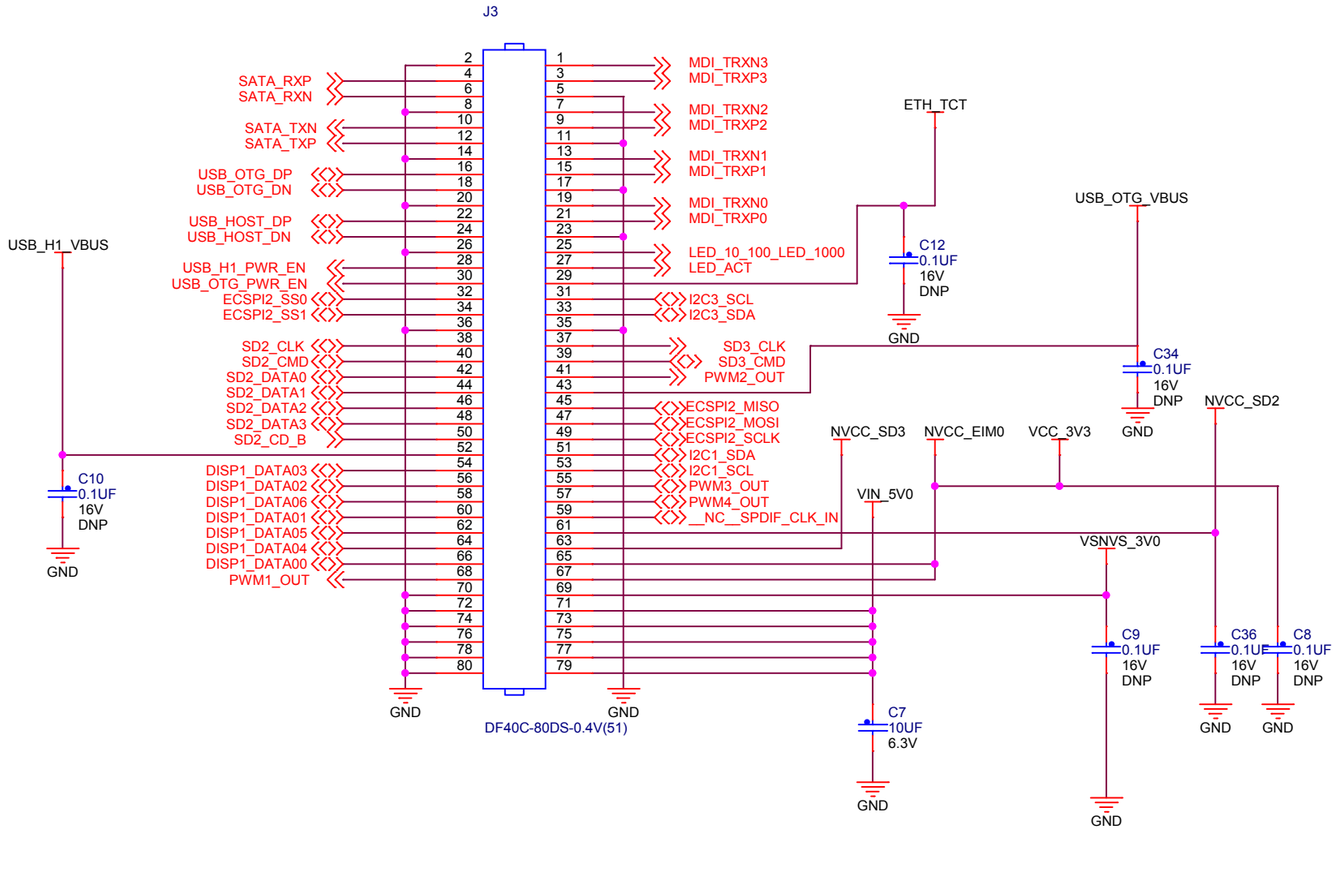
microSOM Connectivty

The microSOM has 3 board to board headers; but CuBox-i uses only two of those

General Notes -
1. Components marked with DNP means Do Not Place. Those are optional components added for refinement.
2. Components marked with Base and Pro means assembly options for the lower end models and the higher models





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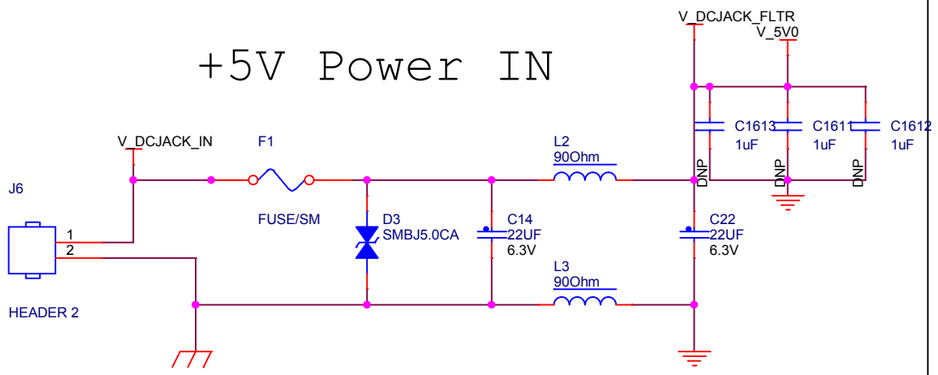
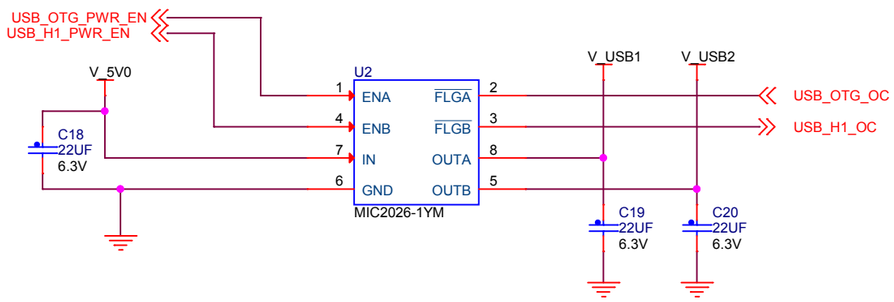
+5V Power IN

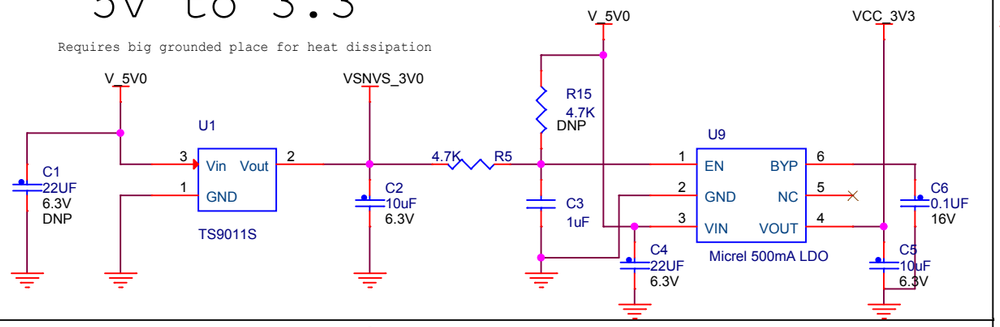


USB Current Limiter

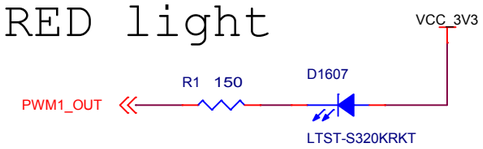


5v to 3.3

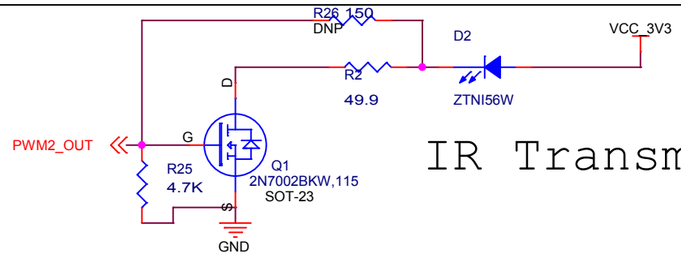
Requires big grounded place for heat dissipation



Front RED light

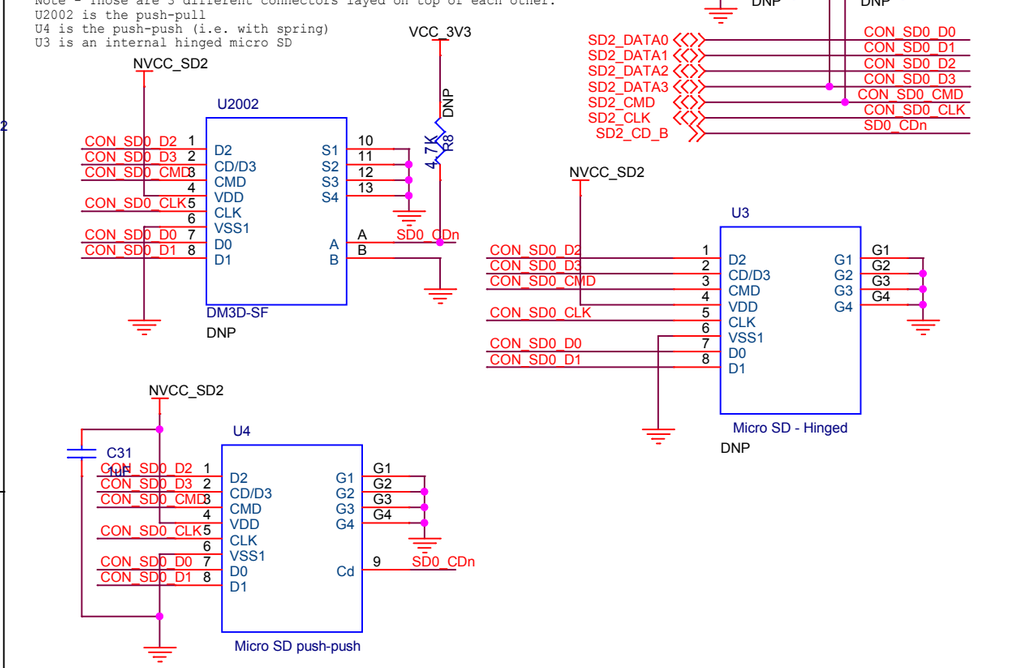


IR Transmitter

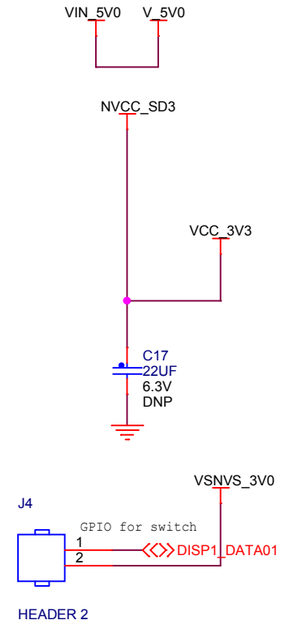


SD/MMC Connector

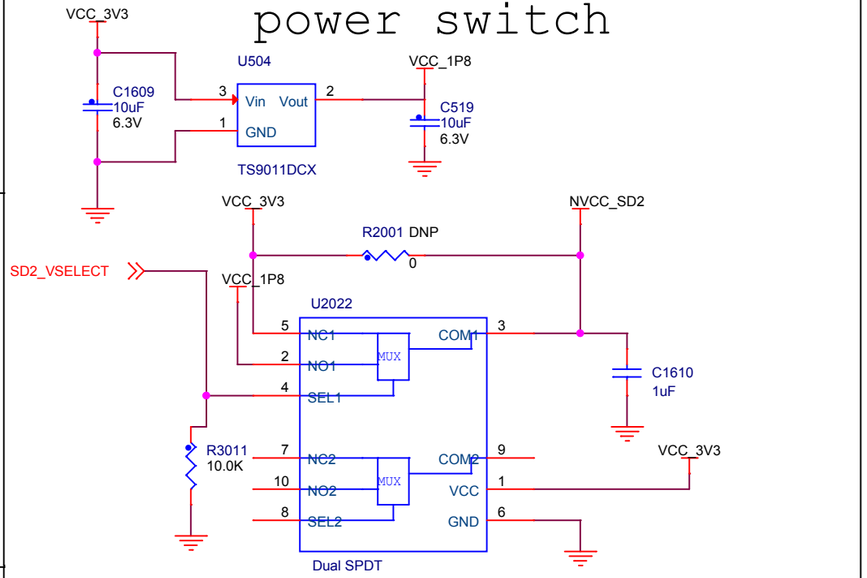
Note - Those are 3 different connectors layed on top of each other.
U2002 is the push-pull
U4 is the push-push (i.e. with spring)
U3 is an internal hinged micro SD



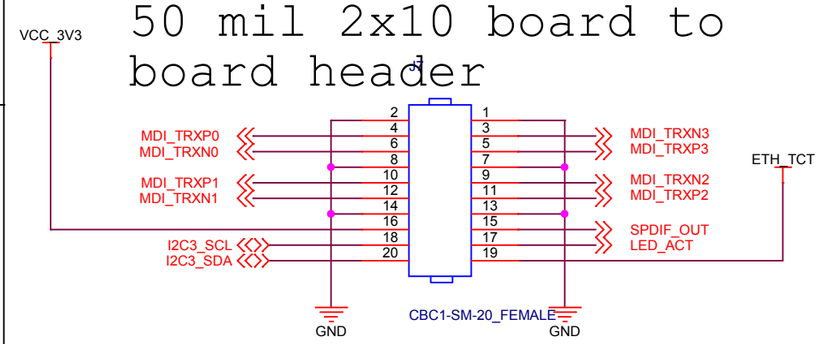
SOM power rails



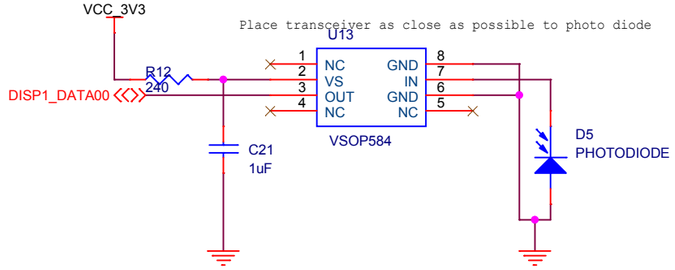
3.3V / 1.8V micro SD power switch



50 mil 2x10 board to board header



IR Receiver



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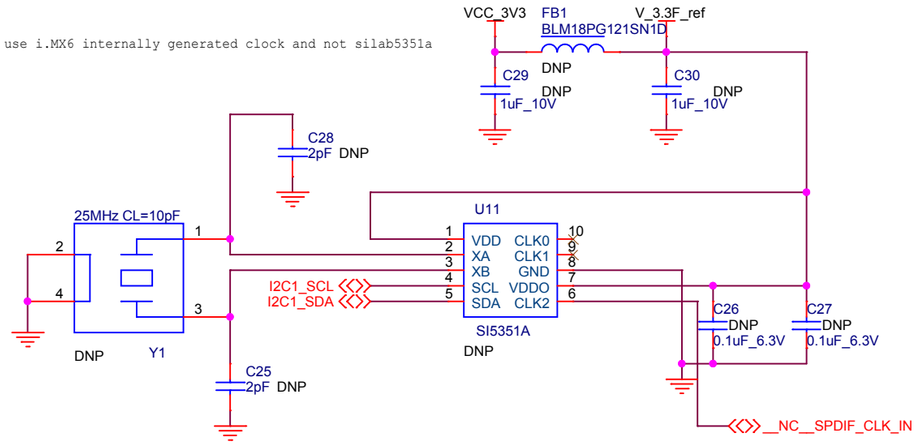
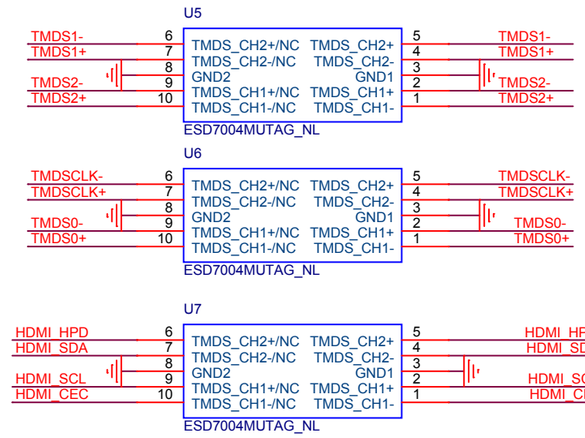
Silicon Labs clock generator

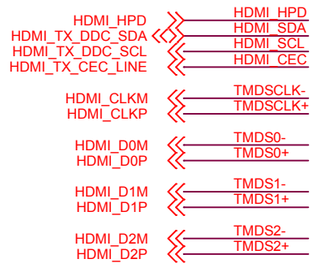
Note - use i.MX6 internally generated clock and not silab5351a

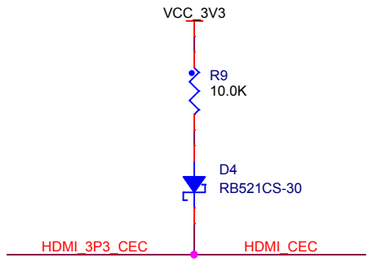


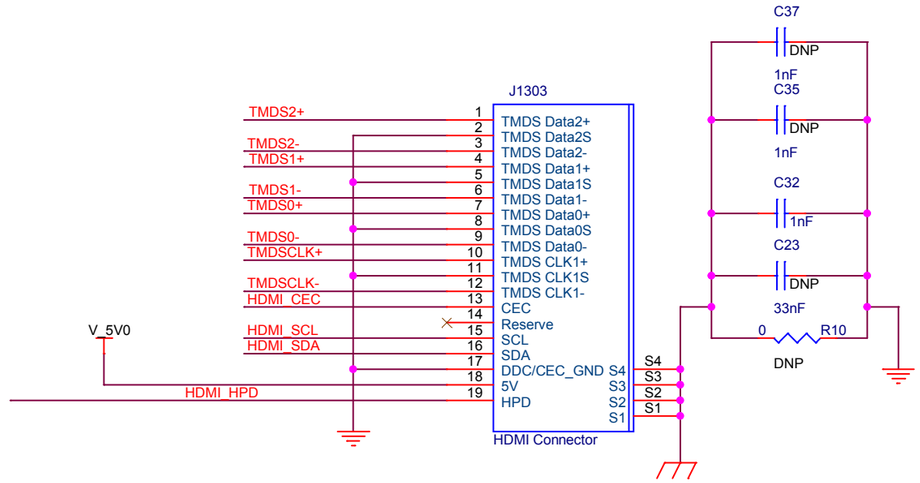
HDMI OUT

HDMI ESD Protection

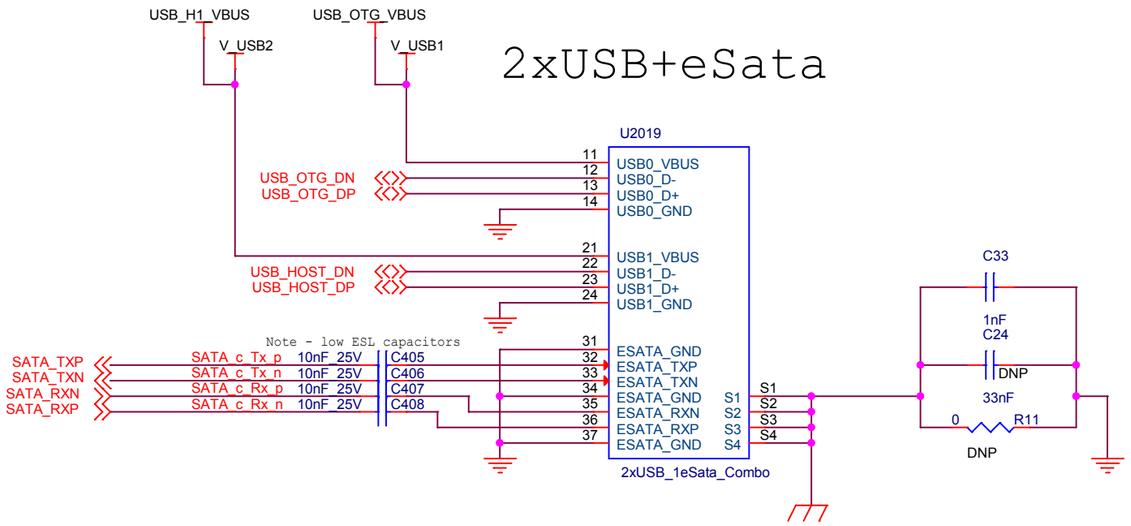




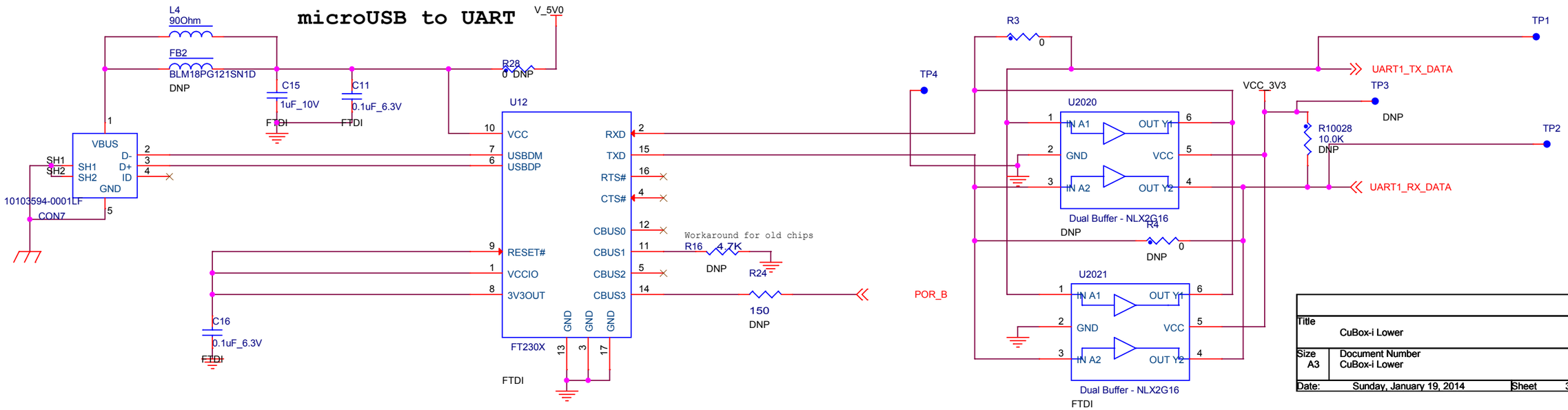




2xUSB+eSata



microUSB to UART



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