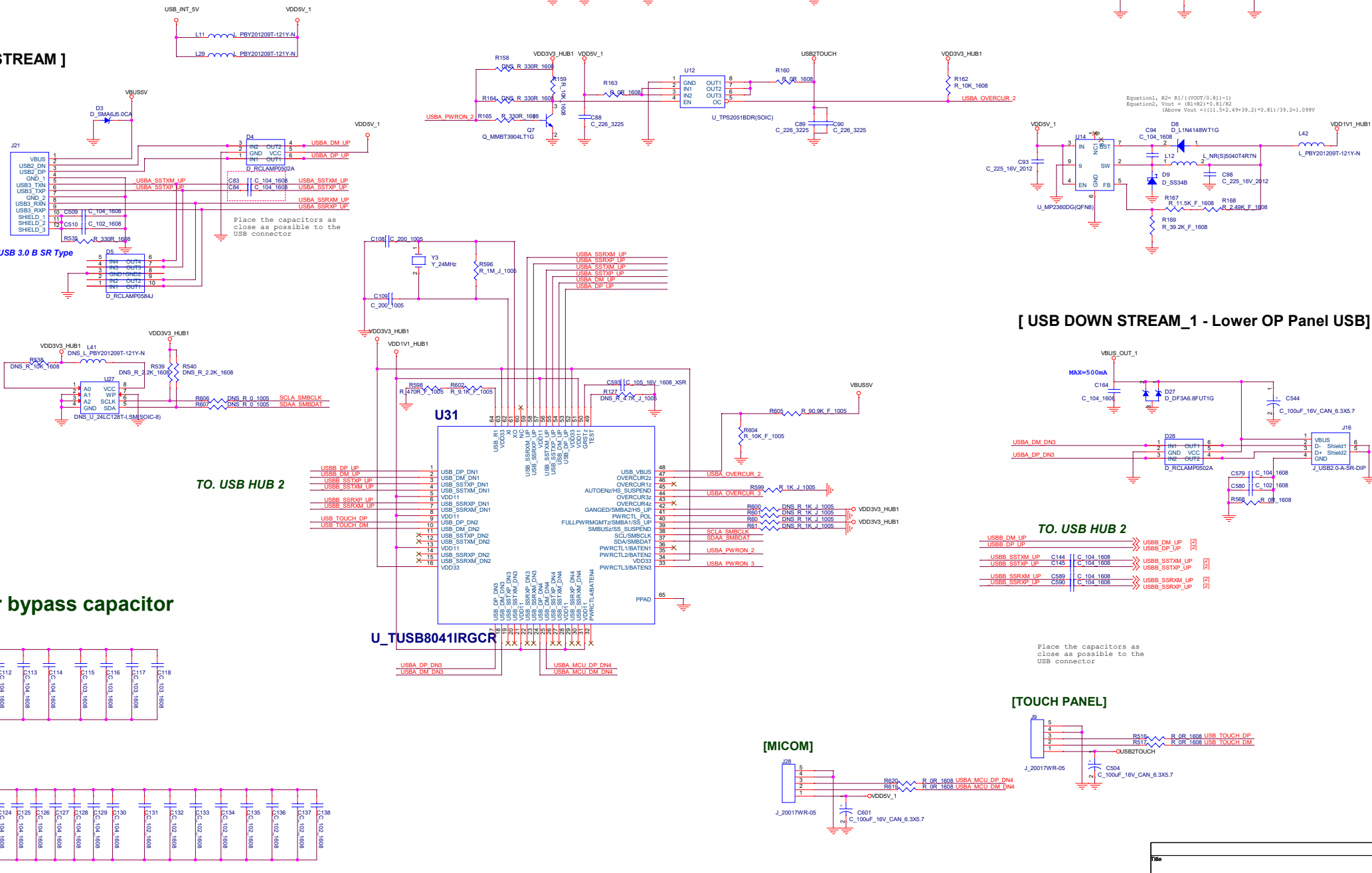
USB 3.0 HUB 1

USB signal line trace:
1.Keep traces of USB bus D+ and D- the same length.
2.Achieve 90 ohm differential characteristic impedance.
3.Achieve 45 ohm common characteristic impedance.
4.Maintain parallelism between D+ and D-.
5.Do not route USB2.0 D+ and D- over the power plane split.
6.Do not route USB2.0 D+ and D- over the other high frequency signals.

[USB UP STREAM]



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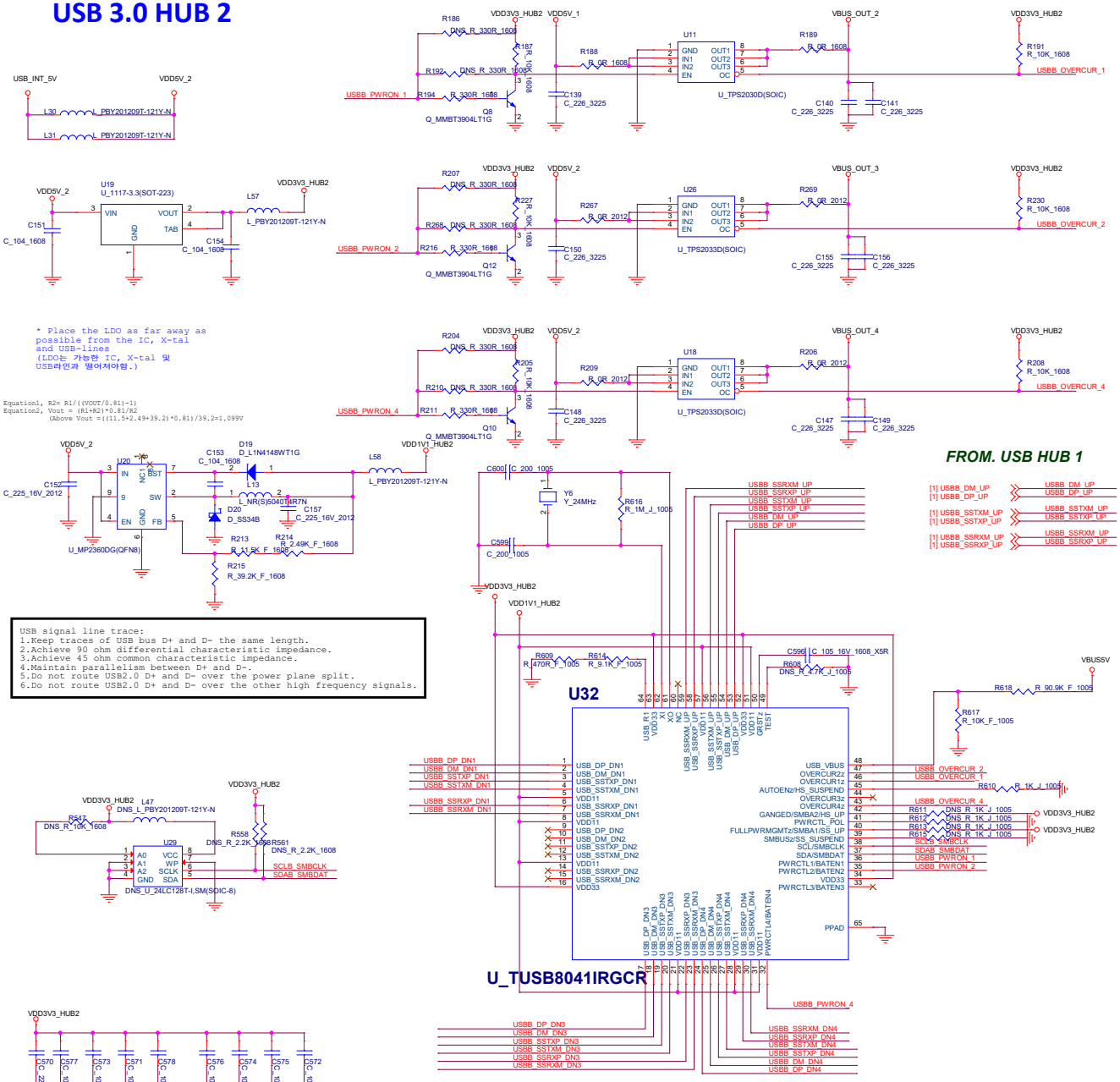
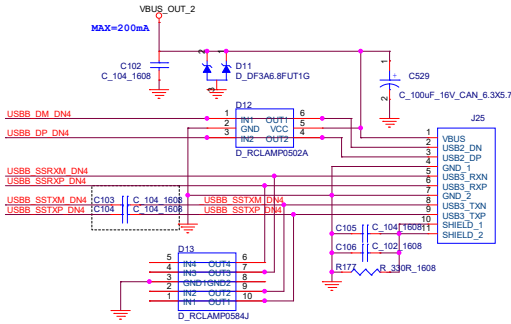
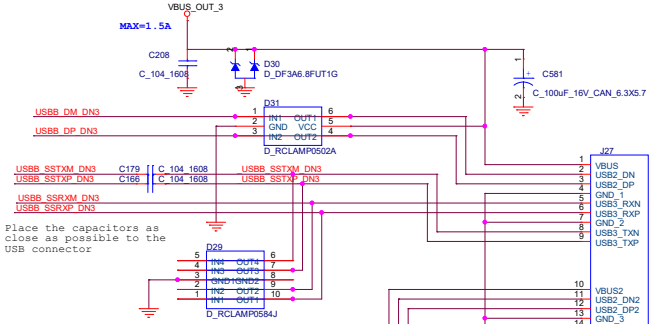
USB 3.0 HUB 2



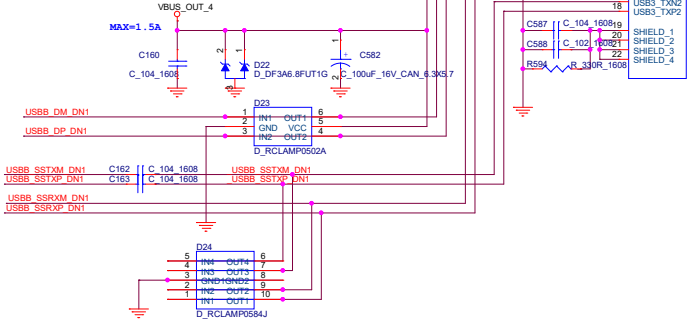
[USB DOWN STREAM1 - Main Display USB Power]



[USB DOWN STREAM_3 -Customer Port USB1]



[USB DOWN STREAM_4 -Customer Port USB2]



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