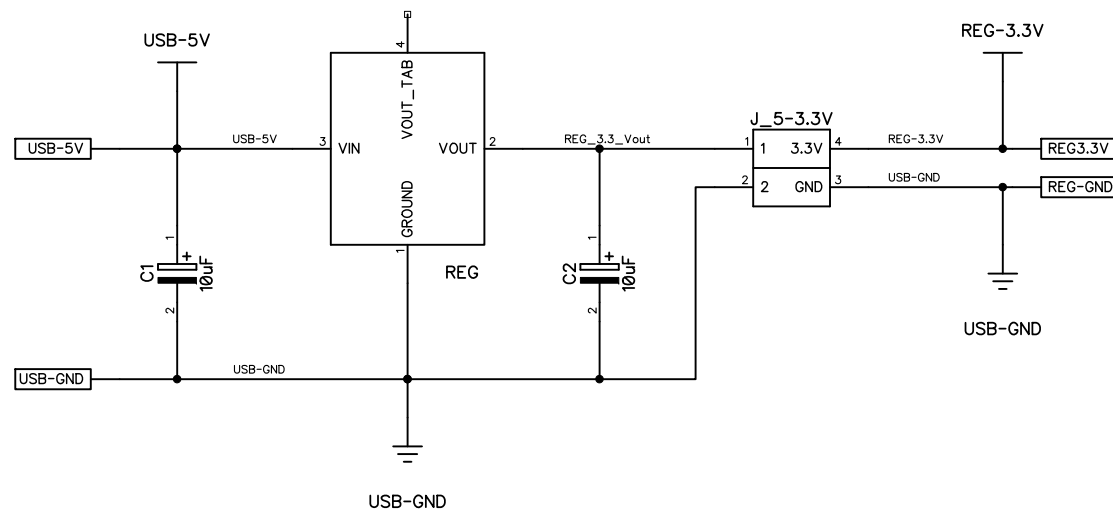


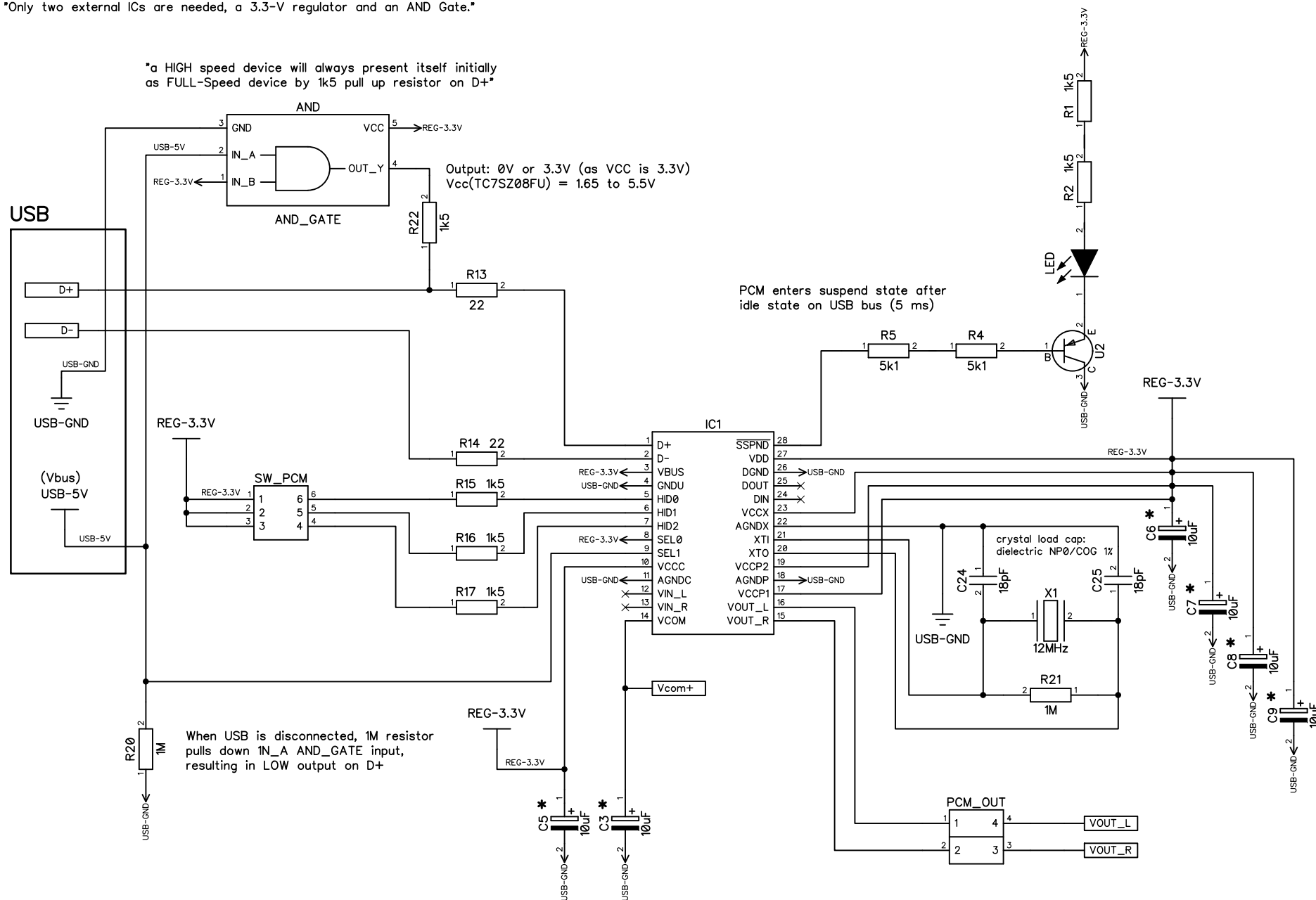
Type-C as 2.0 device with a type-C receptacle (female)

connect tab
to REG-3.3V
plane



"Only two external ICs are needed, a 3.3-V regulator and an AND Gate."

a HIGH speed device will always present itself initially as FULL-Speed device by 1k5 pull up resistor on D+



* ==> decoupling capacitors:
Place them as close as possible to the IC

Audiophile grade components:

- Resistor: Susumu brand (RG Series) ==> https://www.mouser.ca/Susumu/Passive-Components/Resistors/Film-Resistors/Thin-Film-Resistors-SMD/RG-Series/_/N-7gz44Z1yzvvqx?P=1yzvspkZ1yzv4ji
- Capacitor: PP (Polypropylene)

