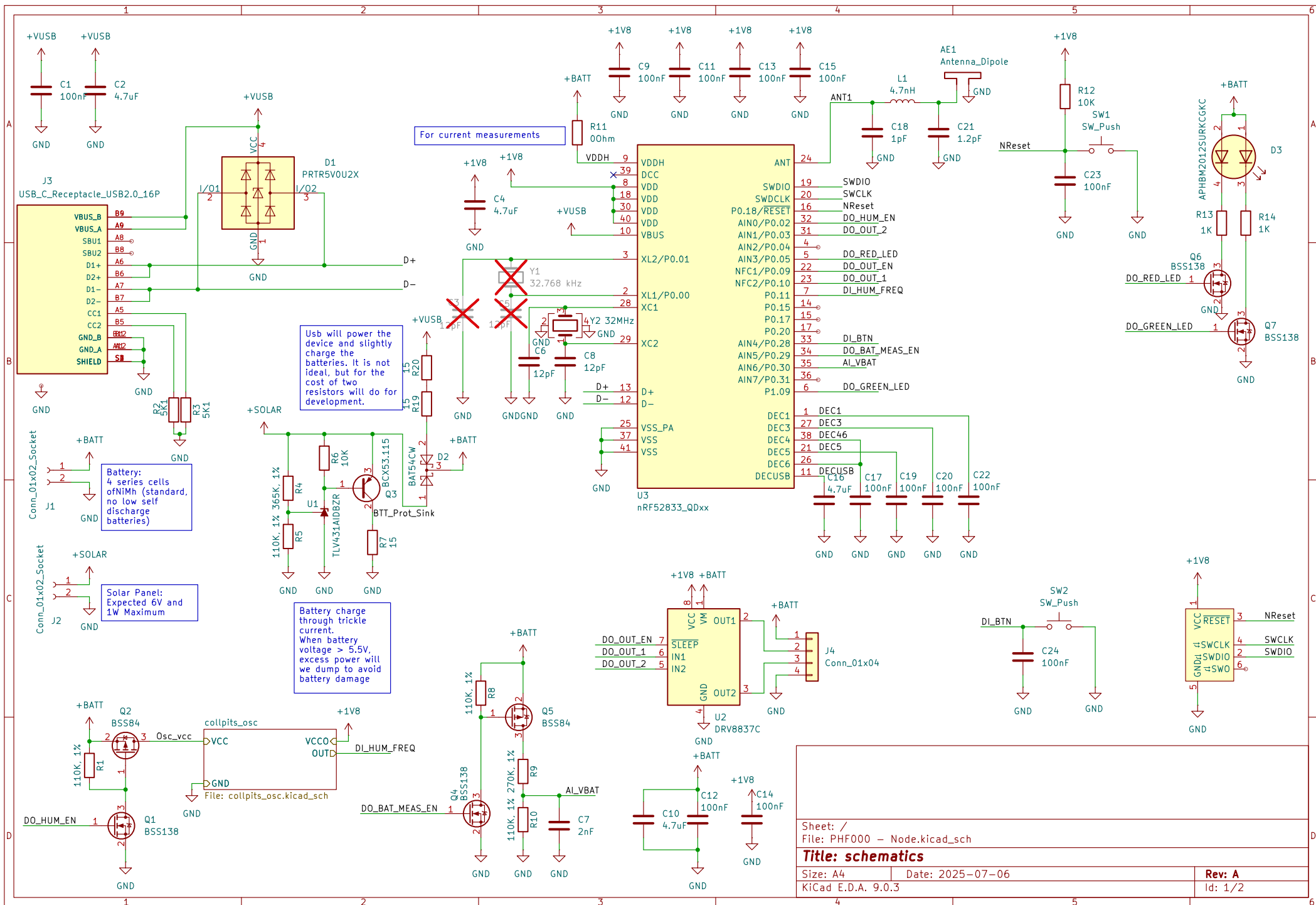
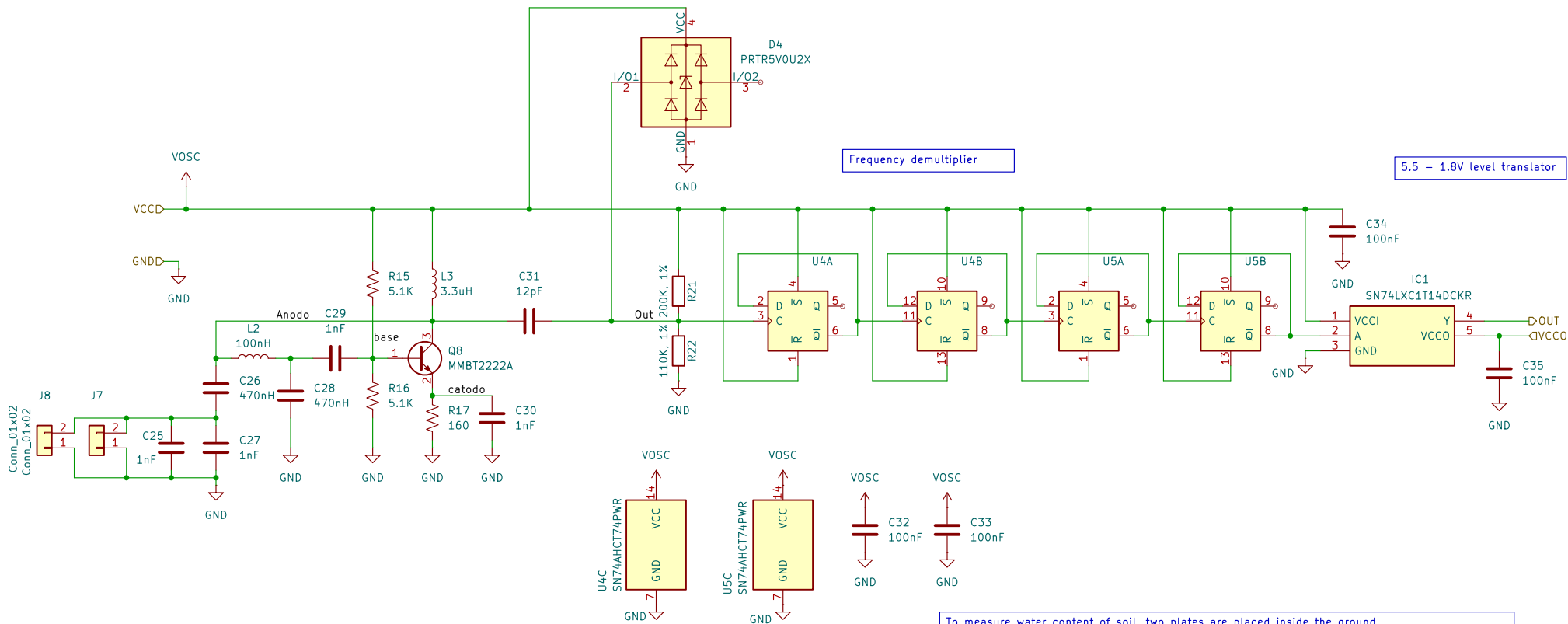






To measure water content of soil, two plates are placed inside the ground.  
A collpits oscillator is connected there, configured to give a frequency of 50MHz when fully wet  
The reason of this high frequency is to avoid the salt molecules to  
vibrate and measure only the water

Sheet: /collpits\_osc/  
File: collpits\_osc.kicad\_sch

**Title: Collpits oscillator**

Size: A4 Date: 2025-07-06

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Rev: A

Id: 2/2