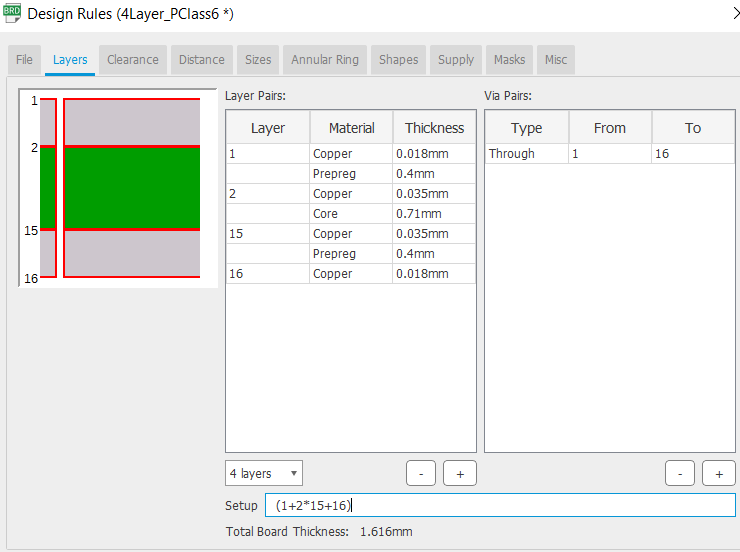
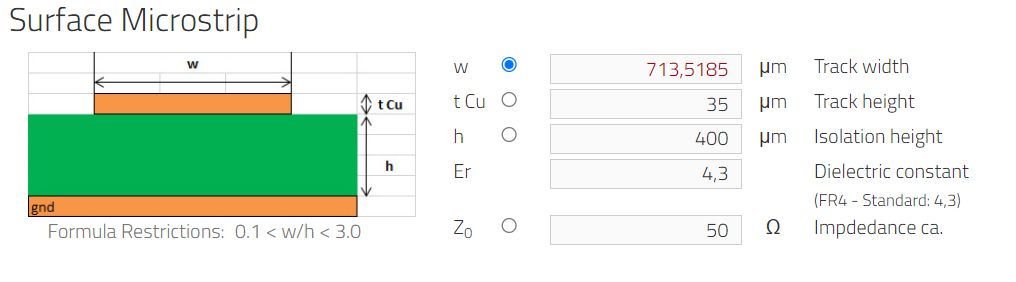
Adaptive Cable Equalizer

# Javad Nematli r0771945

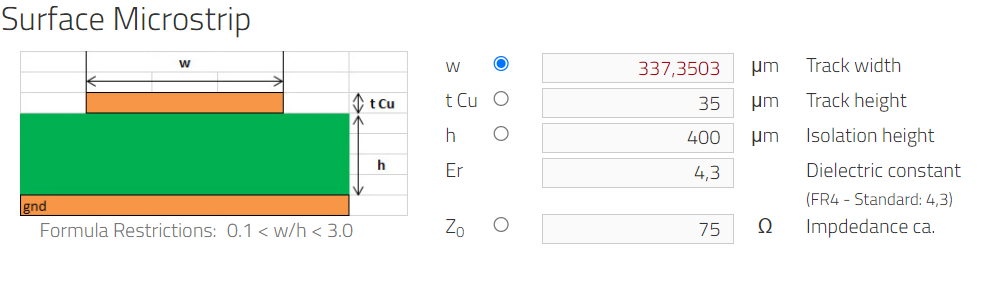
**Build-up:**



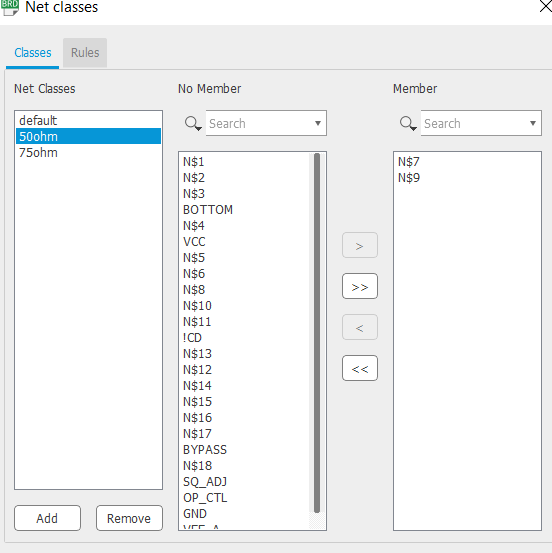
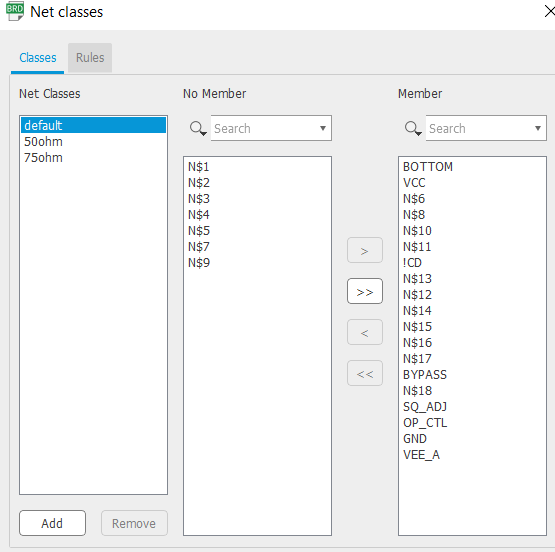
**50 Ohm transmission line:**

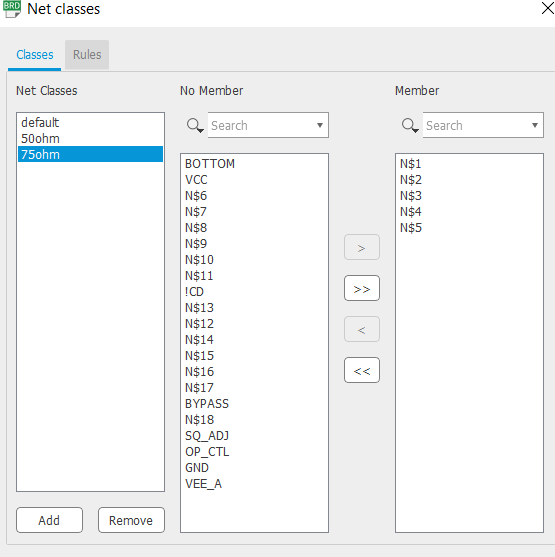
****

**75 Ohm transmission line:**

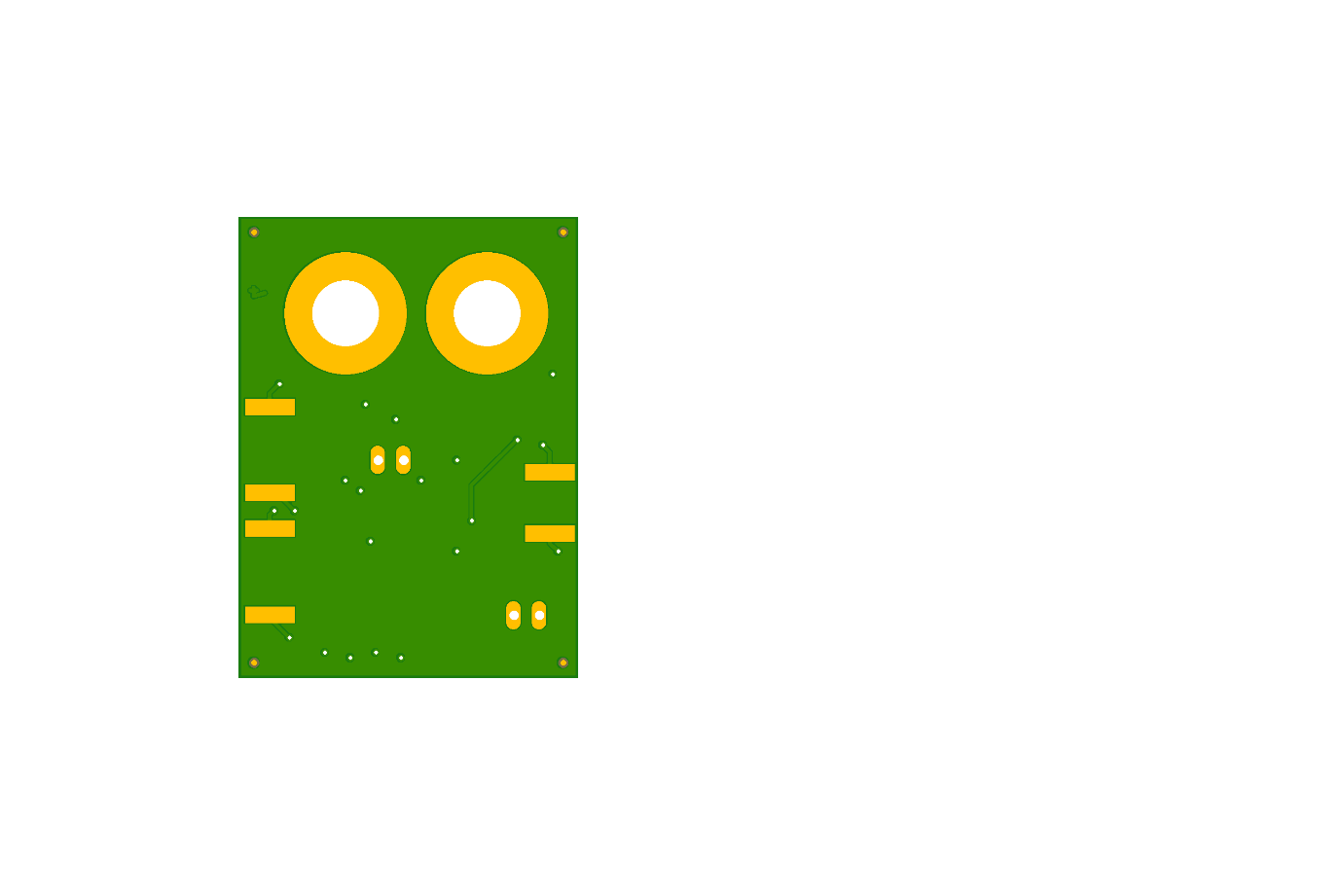
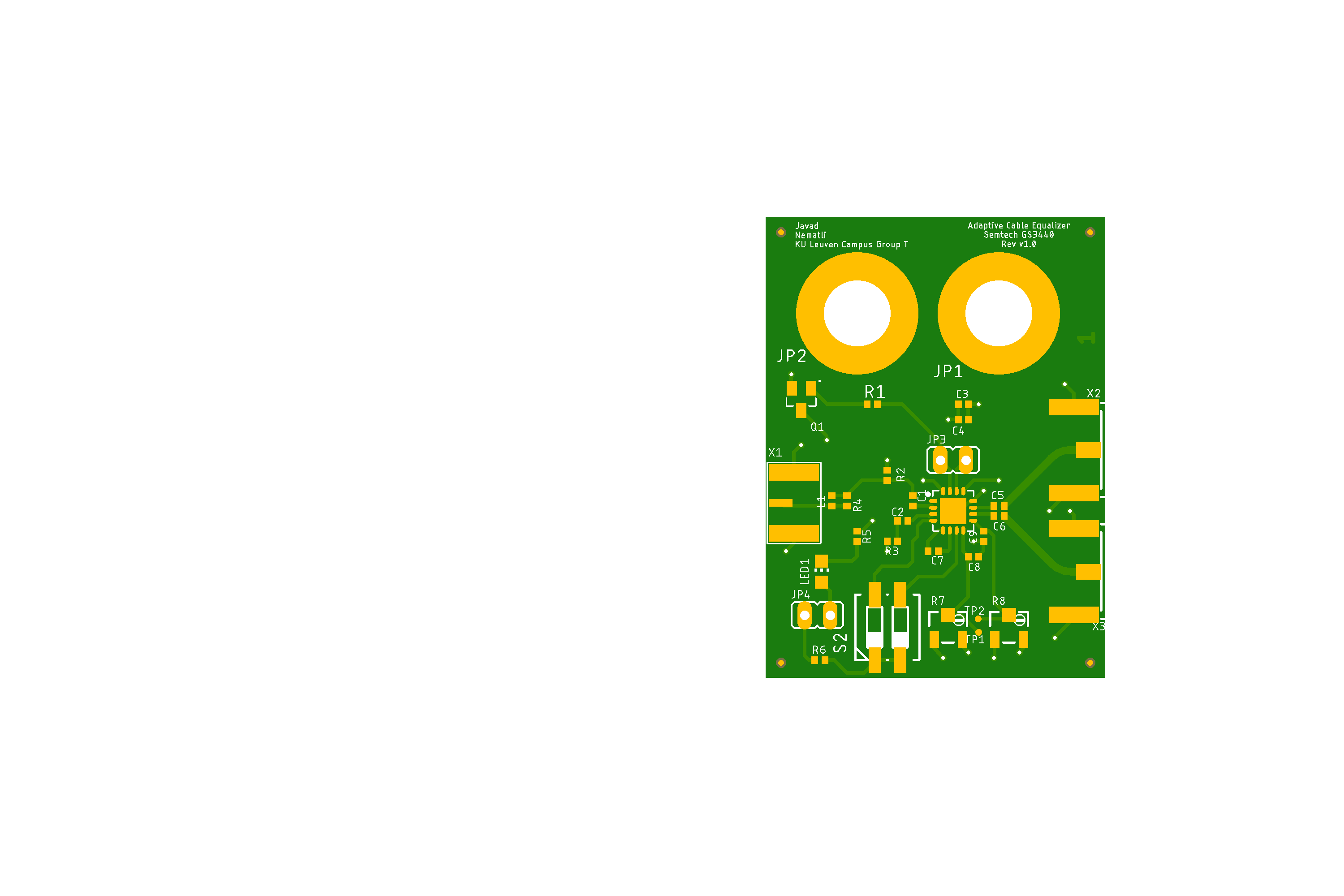
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**Net classes:**

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**Layers:**



**Design rules:**

* The outputs should be symmetrical, the transmission lines at the output should be of the same size.
* Put components closer to the IC to minimize loop area.
* Put decoupling capacitors for Vcc to reduce noise.
* Put transistor to the side of the PCB for the possibility to attach a heat sink.
* Thermal spacing (already mentioned in the DRC).