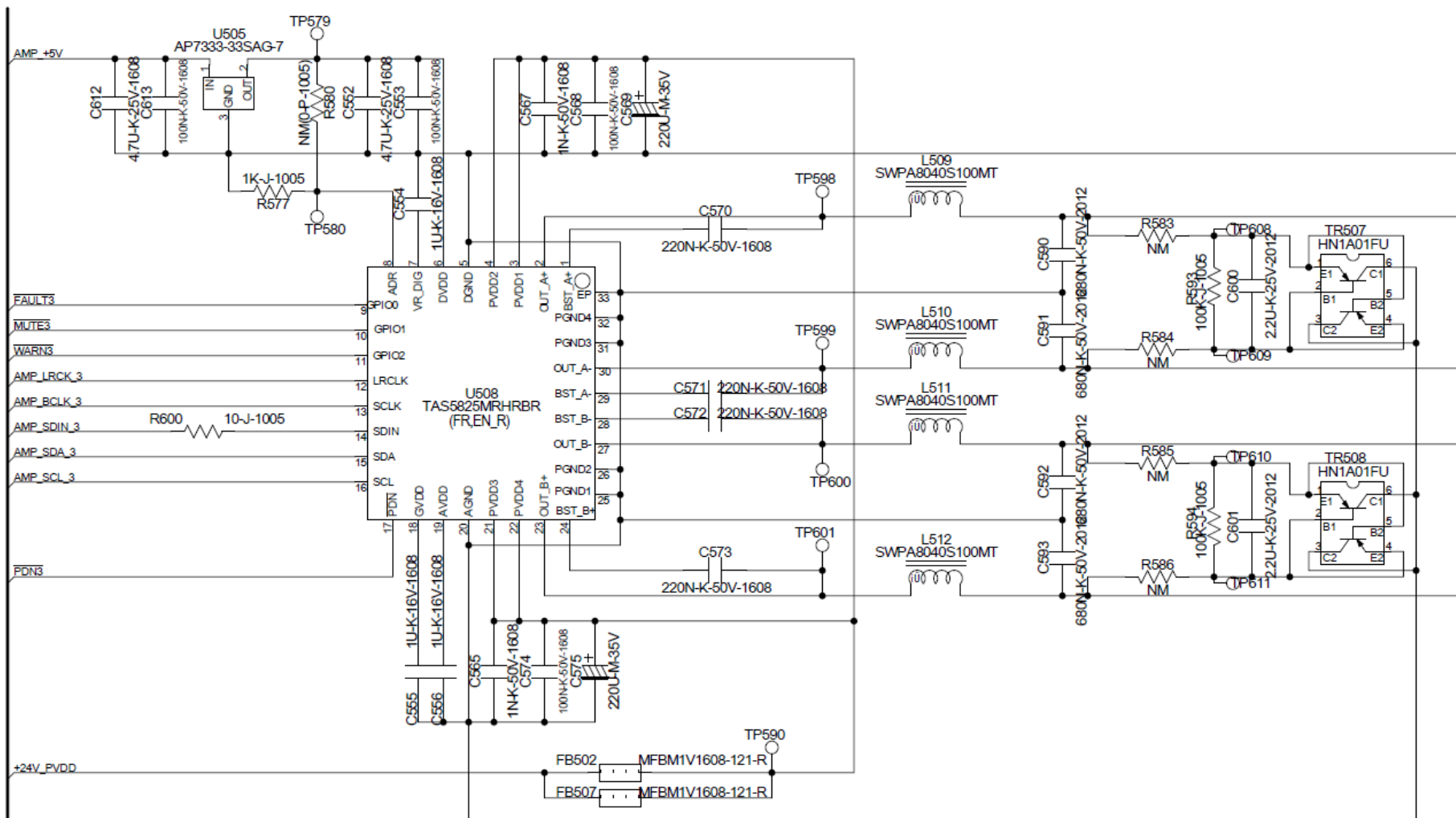


Schematic



1. Thermal issue

There is a thermal issue of TAS5825M on the customer board.

Top case temperature of TAS5825M is around 85 degrees without heatsink under conditions of no audio input.

Also, the same issue has occurred with or without speaker load.

At this time, PWM output is continuing, please explain about the reason why and the internal operating mechanism.

2. PCB Layers

4 Layers: Top 0.5oz, GND 1oz, Power 1oz, Bottom 0.5oz, 1.6T

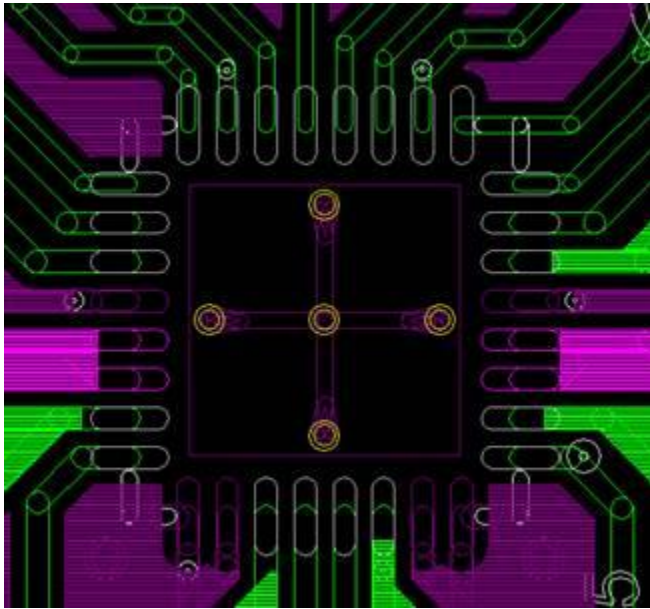
Are there any recommended guidelines to improve this thermal issue?

3. Minimum rated current of inductors

The rated current of inductors is 4.4A on EVM.

Please let me know the minimum rated current of inductors if using the inductors less than 4.4A to improve this issue.

4. Thermal Vias



(Diameter=0.2mm)

Thermal vias configuration is the same as above. Please let me know if there is anything that needs to be fixed.