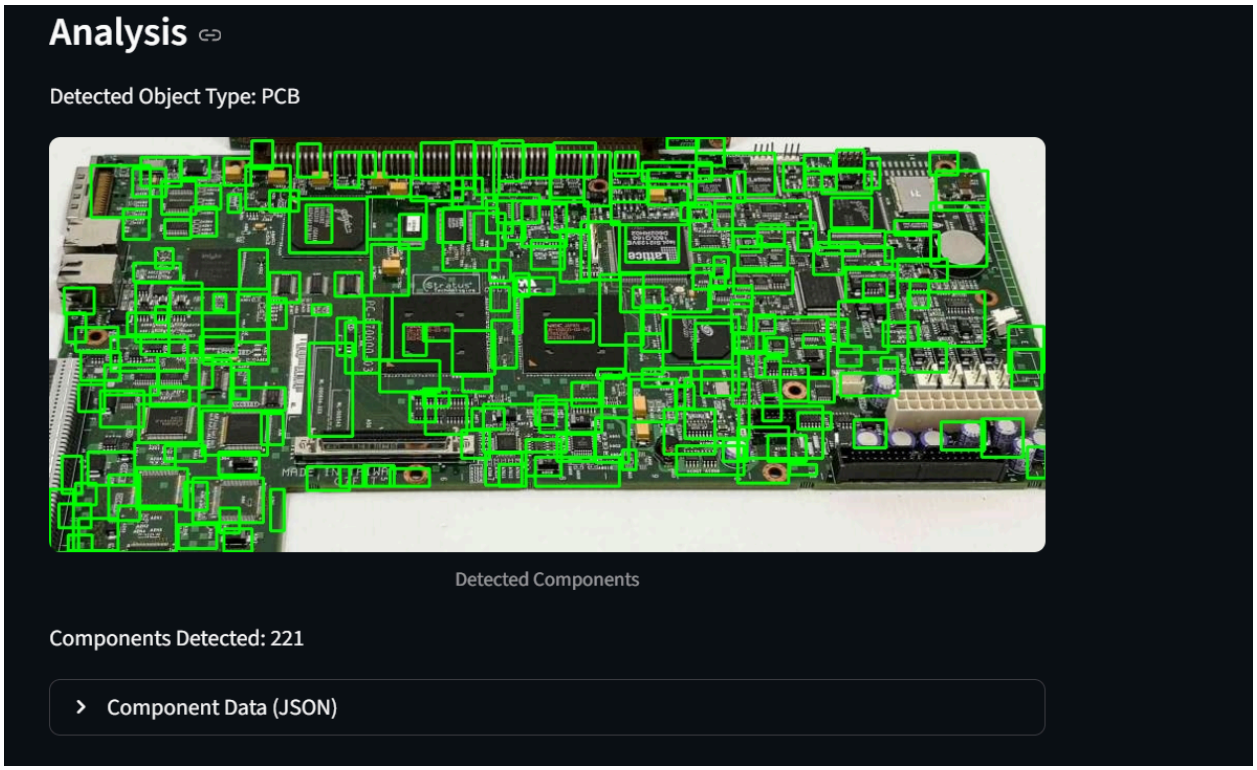
Input image:

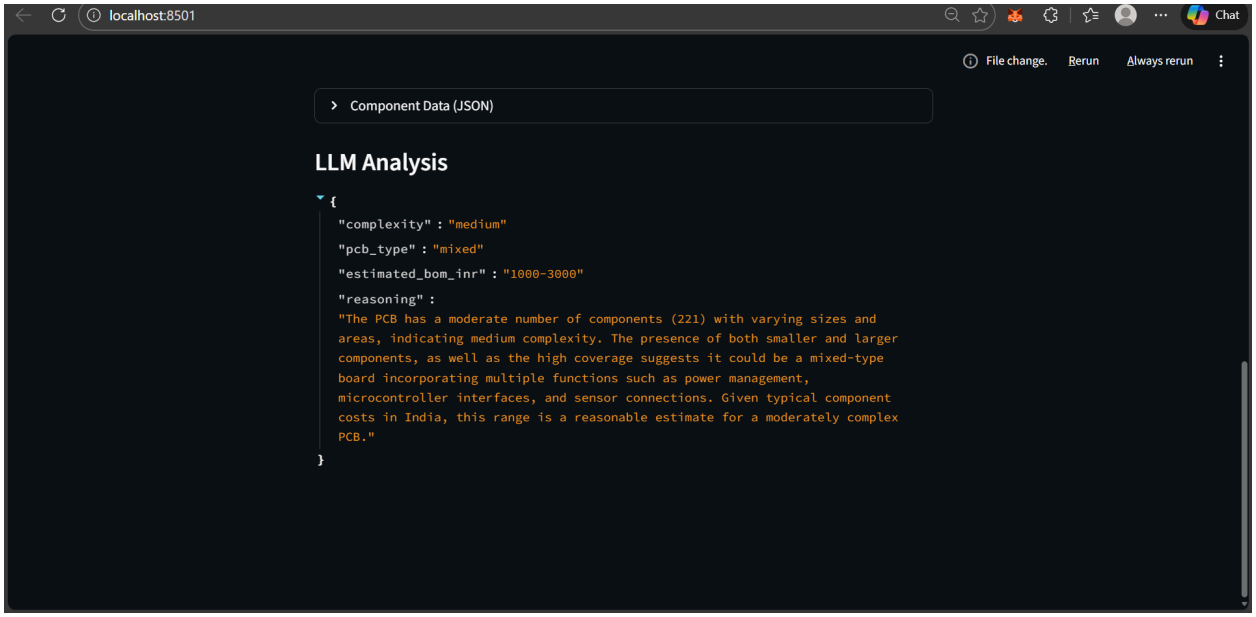
Detected Components:



Component data:

Streamlit GUI:

Llm output:


localhost:8501
Chat
File change.
Rerun
Always rerun
Component Data (JSON)
LLM Analysis
{
"complexity" : "medium"
"pcb_type" : "mixed"
"estimated_bom_inr" : "1000-3000"
"reasoning" :
"The PCB has a moderate number of components (221) with varying sizes and areas, indicating medium complexity. The presence of both smaller and larger components, as well as the high coverage suggests it could be a mixed-type board incorporating multiple functions such as power management, microcontroller interfaces, and sensor connections. Given typical component costs in India, this range is a reasonable estimate for a moderately complex PCB."
}