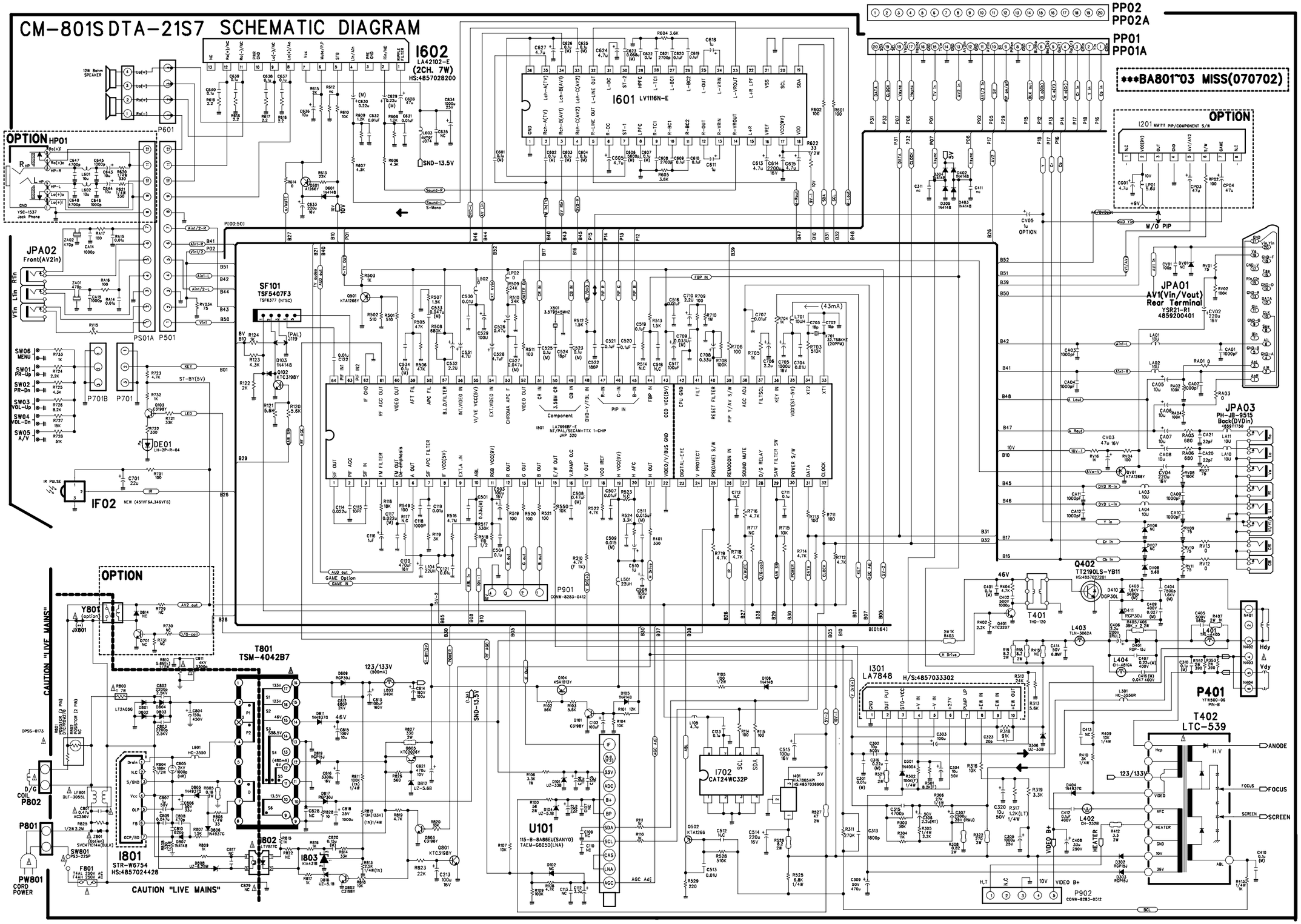8. SCHEMATIC DIAGRAM