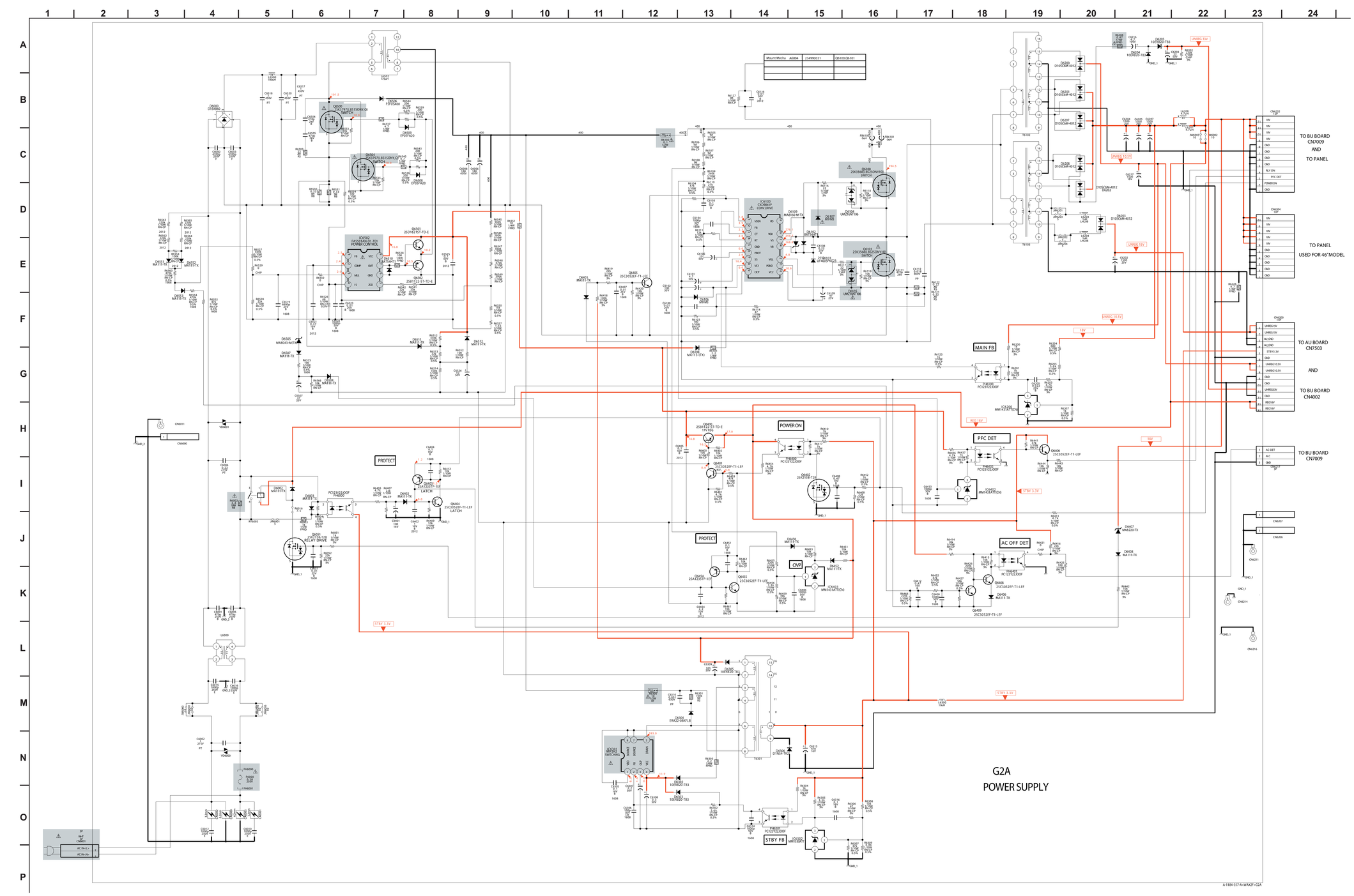G2A BOARD SCHEMATIC DIAGRAM