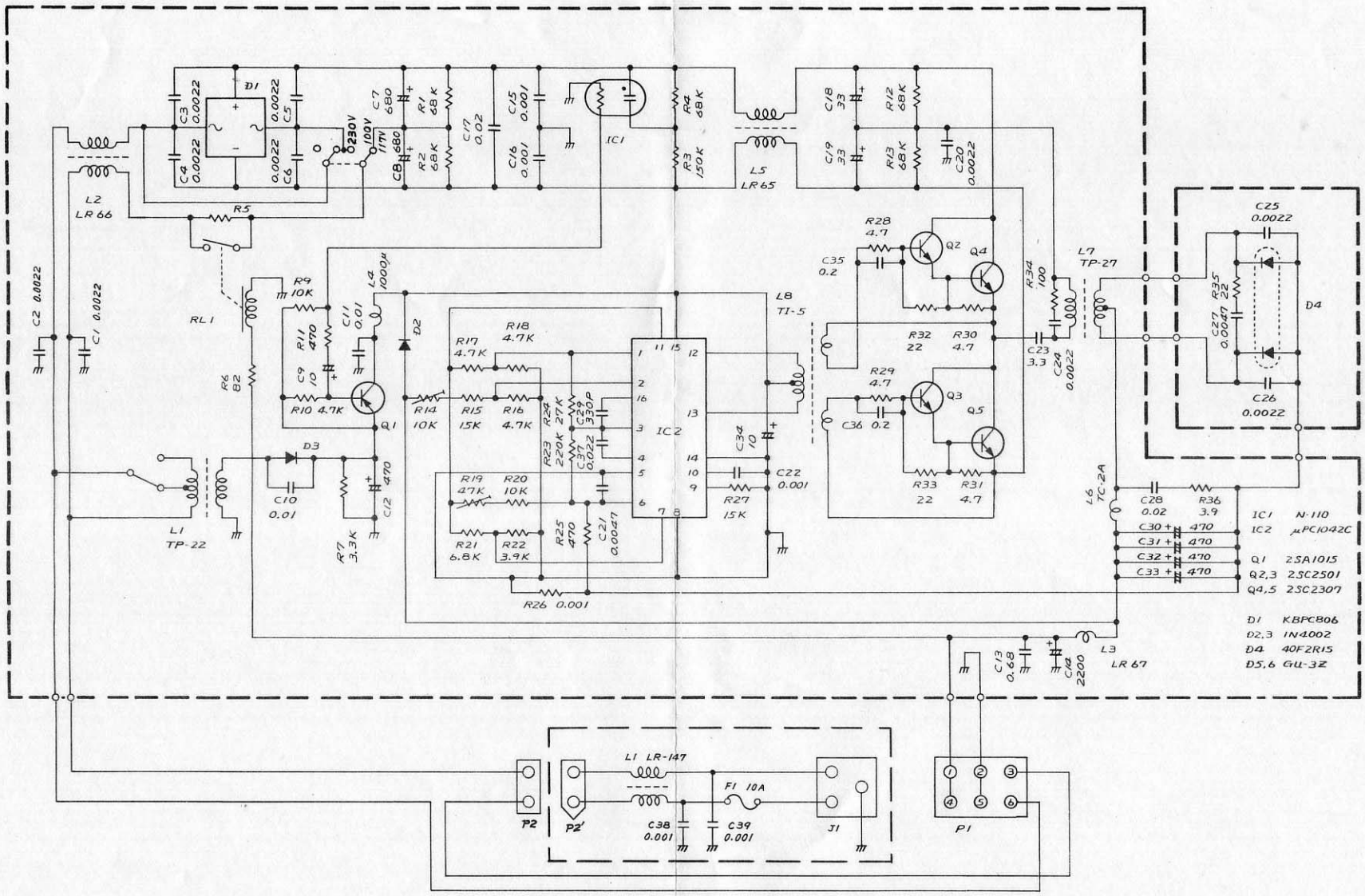IC-PS35 SCHEMATIC DIAGRAM