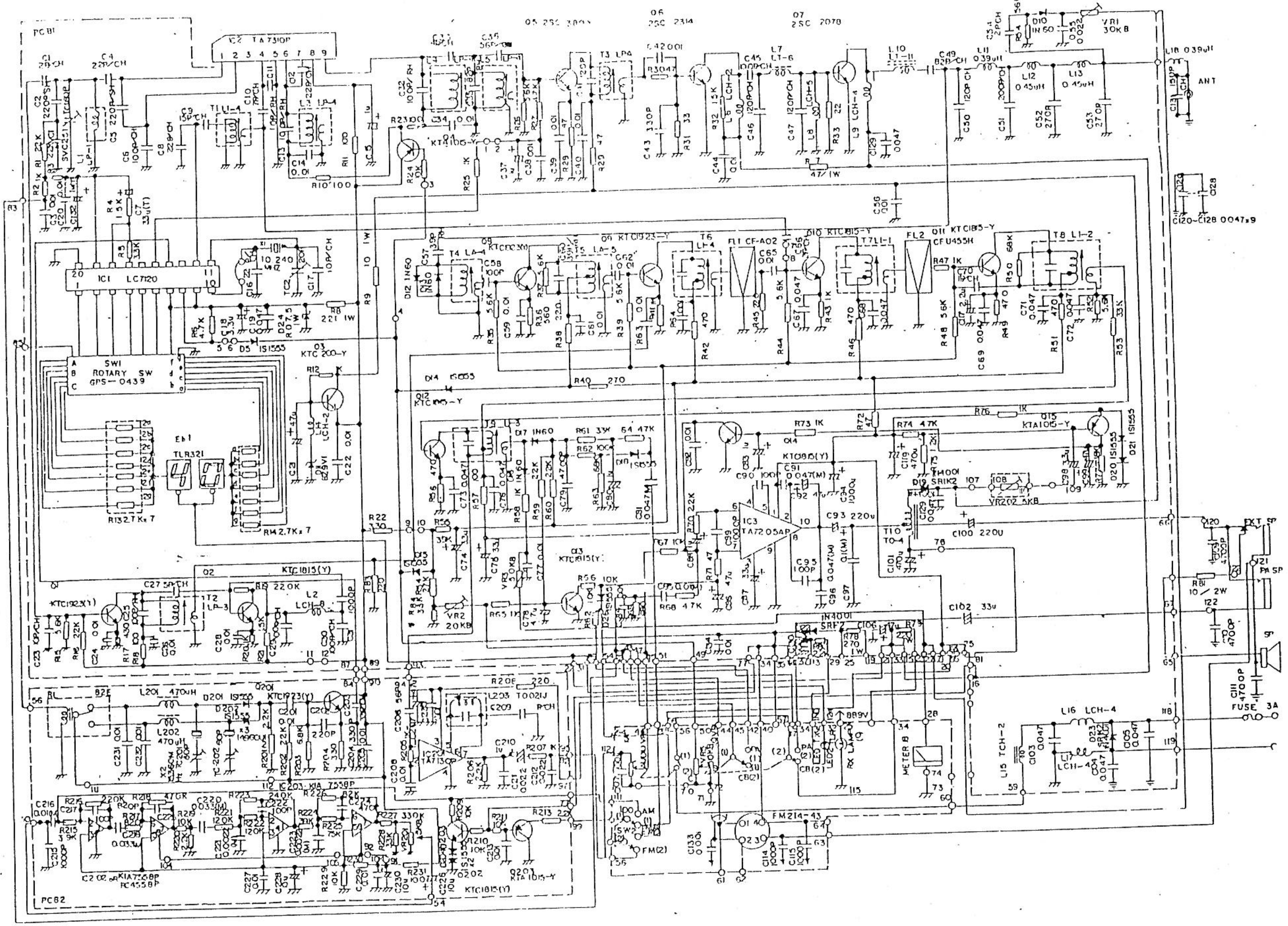POLMAR WASHINGTON SCHEMATIC DIAGRAM