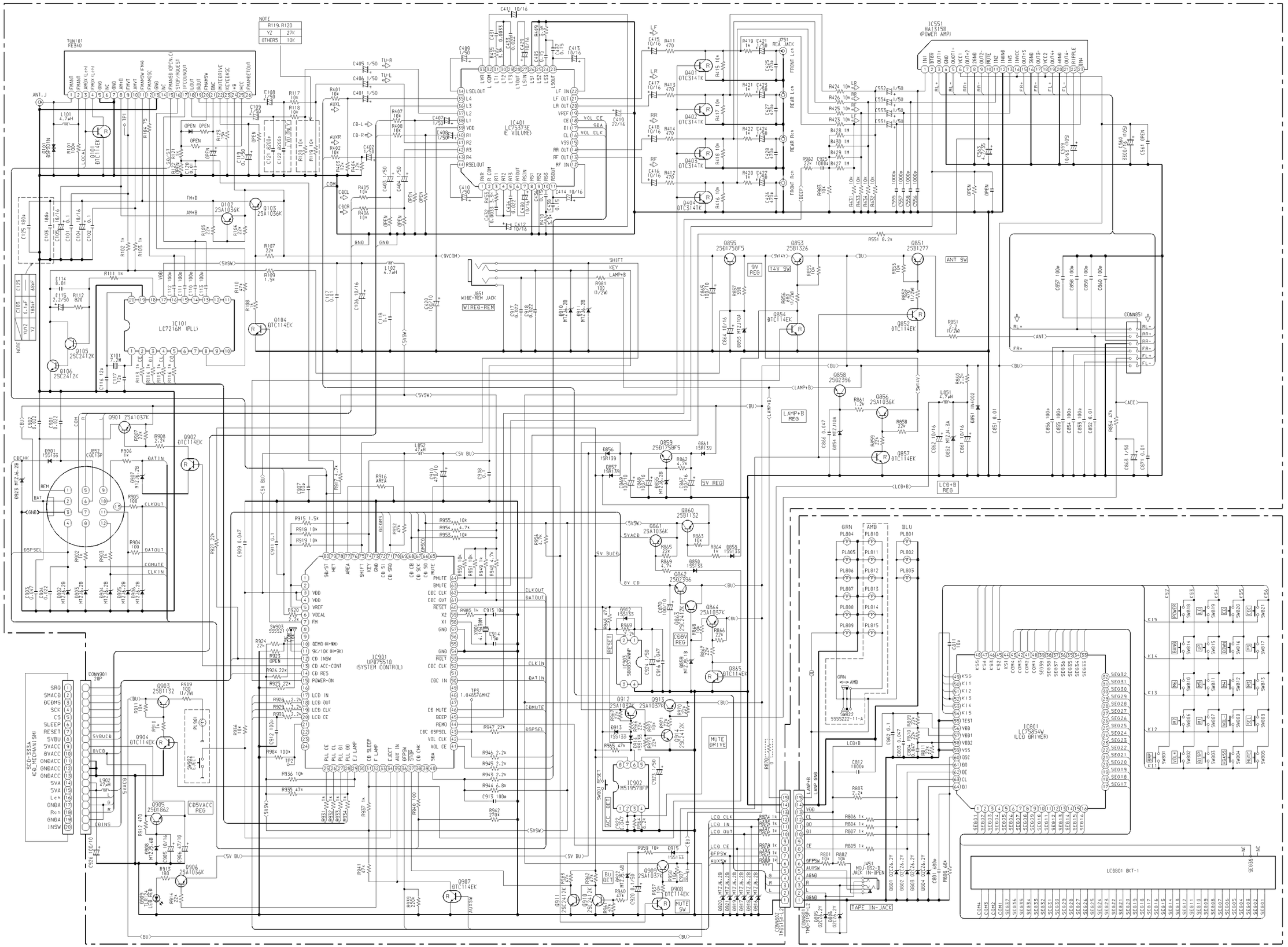SCHEMATIC DIAGRAM – 1