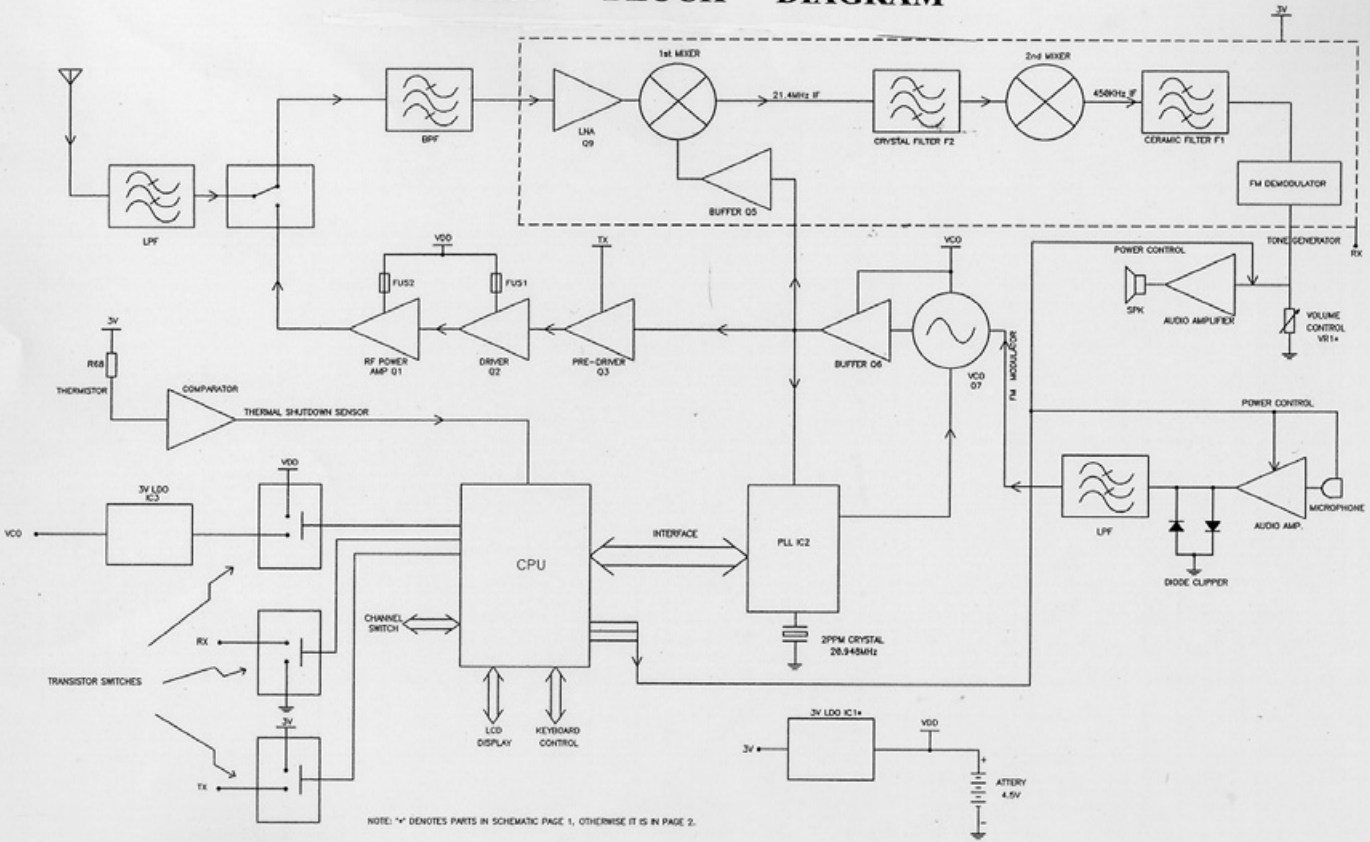FUNCTION BLOCK DIAGRAM