

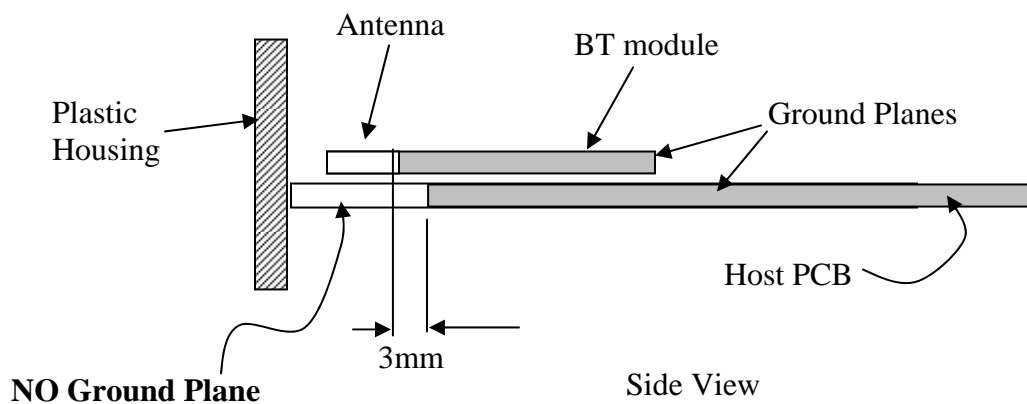
1 Mounting recommendations for BT44-191S

1.1 Recommended PCB Pad Dimensions

The BT44-191S is a solder down Bluetooth module. The Pad is an edge style pad with a pitch is 50mils. The exact dimensions of the pad should be always be cross-checked with the manufacturer of the PCB and the assembly locations. The dimensions shown below are only recommended dimensions. They are the dimensions that we used in our evaluation boards. See the dimensions located below in Figure 1.3 .

1.2 Recommended Module locations

For maximized performance please orient the device with the antenna as close to the outside of the housing as possible. Best performance will occur if the underlying PCB does not have a ground plane under the area where the antenna is located. The nearest ground plane should be at least 3mm away from any point on the antenna.



- **Figure 1-1 Side view of BT module mounting recommendations**

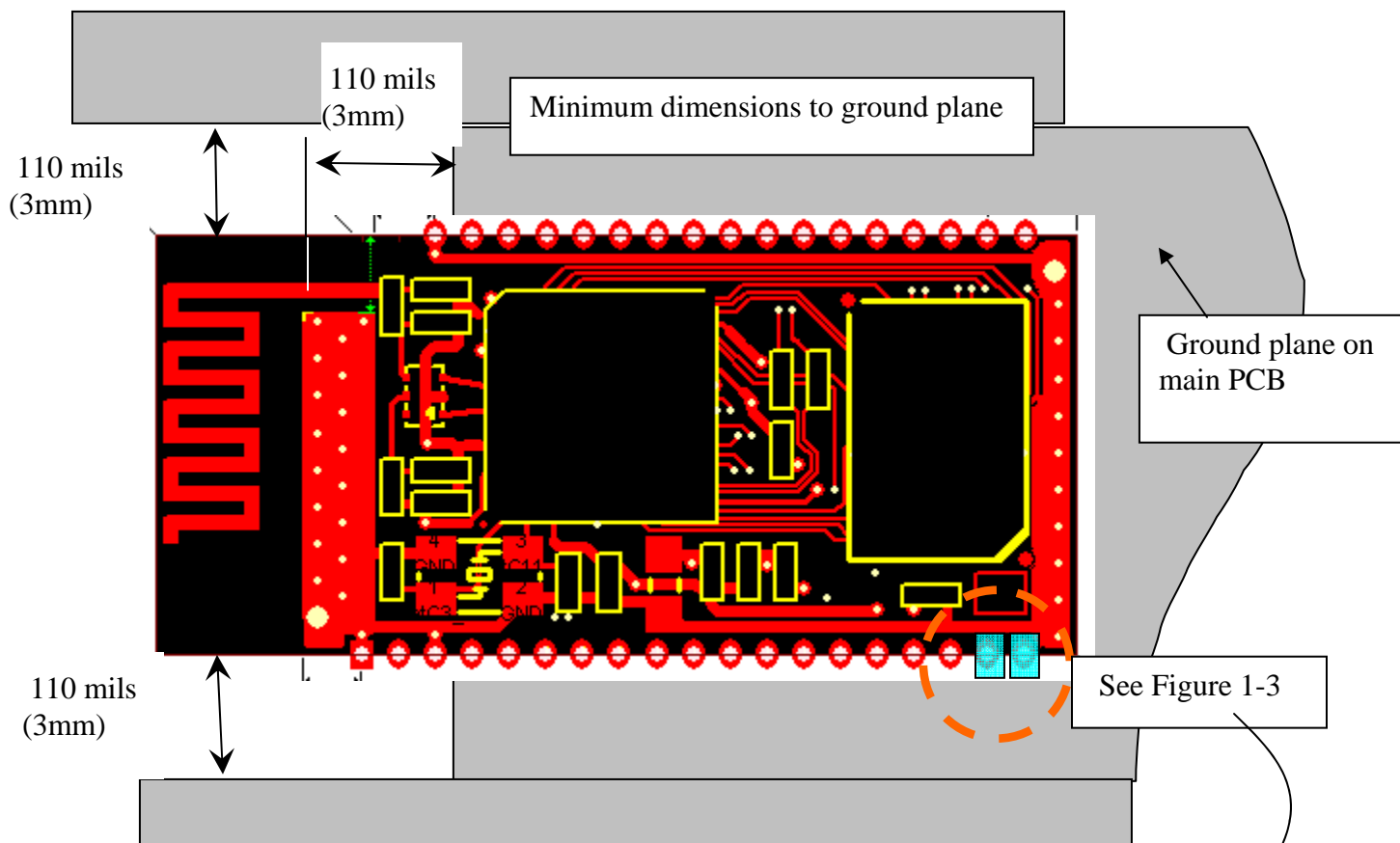


Figure 1-2 Top view of BT module mounting recommendations

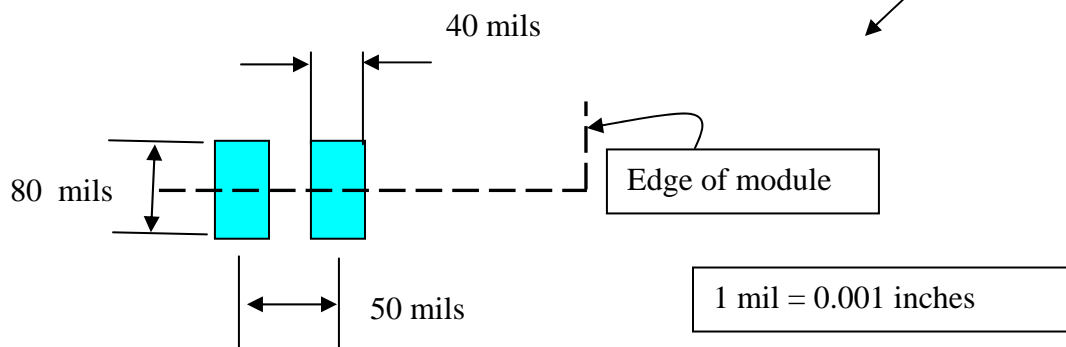


Figure 1-3 Suggested Solder Pad dimensions