

RF-IVD, MODEL 1136, INTERNAL PHOTOGRAPHS

The assemblies shown in Figure 1-3 consist of four Printed Circuit Board (PCB) assemblies. The lower board is the electrometer board. When it is used as a Diode Pod, it converts the current from the radiation detection diodes to digital values for transmission back to the Base Station. When it is used as a Base Station, it receives data from a Diode Pod and relays it to an Operator Module or a Personal Computer via a cable. The upper two boards shown in Figure 1 are the battery module and the RF transceiver. The fourth board is the antenna mounting pad (Not visible) located directly beneath the antenna.

The first three boards slide into grooves in the extruded aluminum case. Figure 1 shows them as they are being removed from the case after the end panel has been removed. Figure 2 shows the assembly after the Battery module has been removed. Figure 3 shows the electrometer board after the RF transceiver has been unplugged. The blue cable connects the transceiver to the antenna.

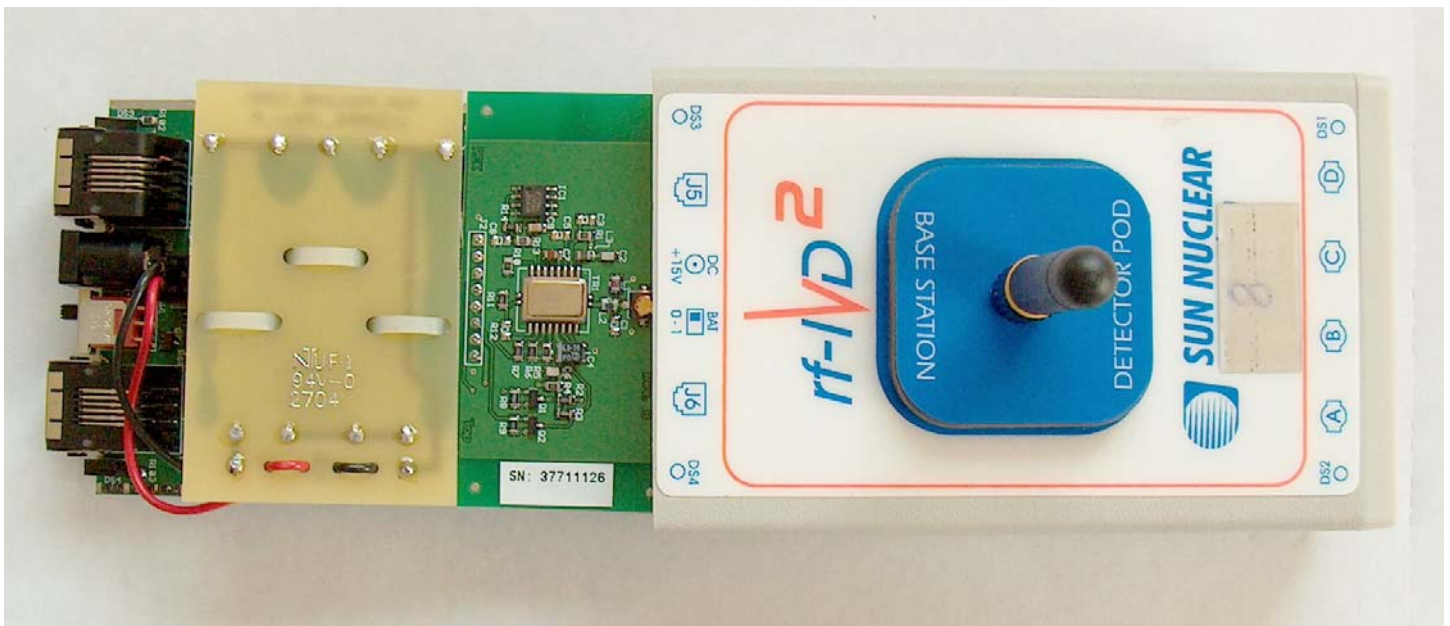


FIGURE 1 (Top View)
Base Station/Diode Pod Assembly



FIGURE 2 (Top View)
Base Station/Diode Pod Assembly

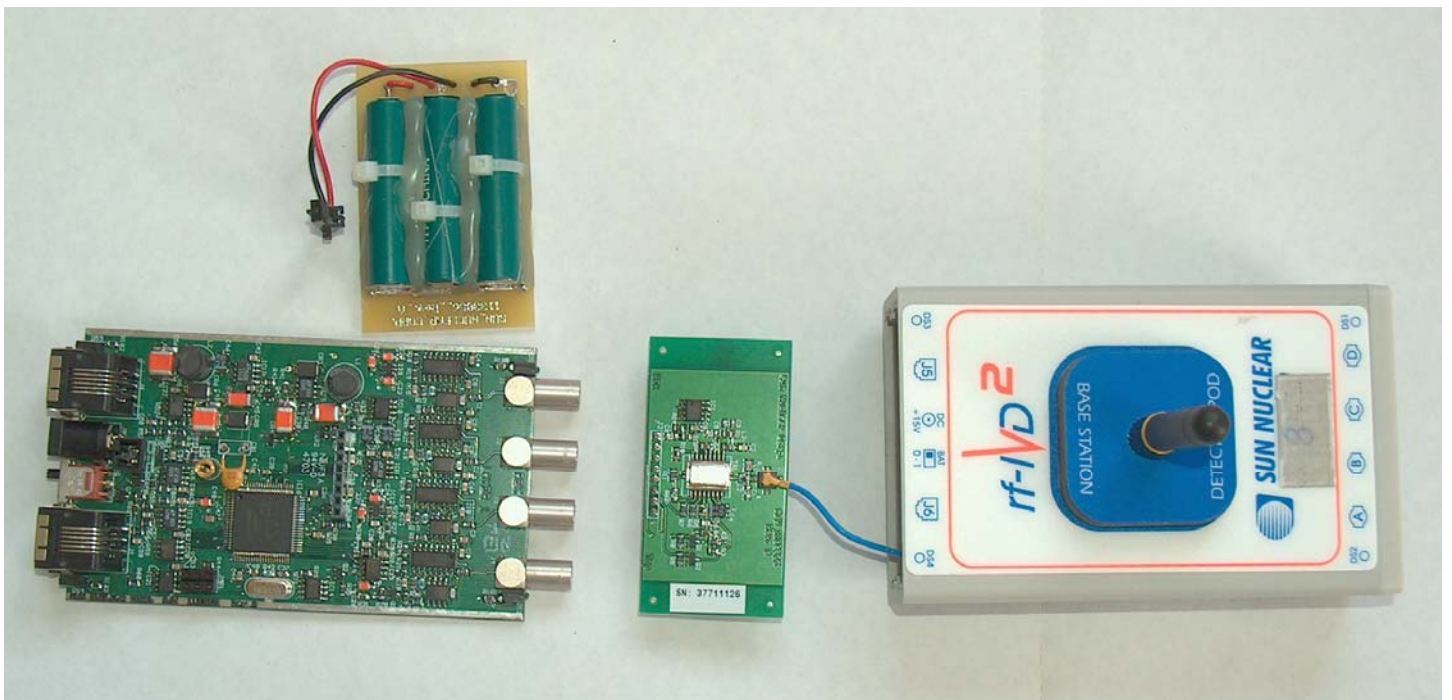


FIGURE 3 (Top View)
Base Station/Diode Pod Assembly

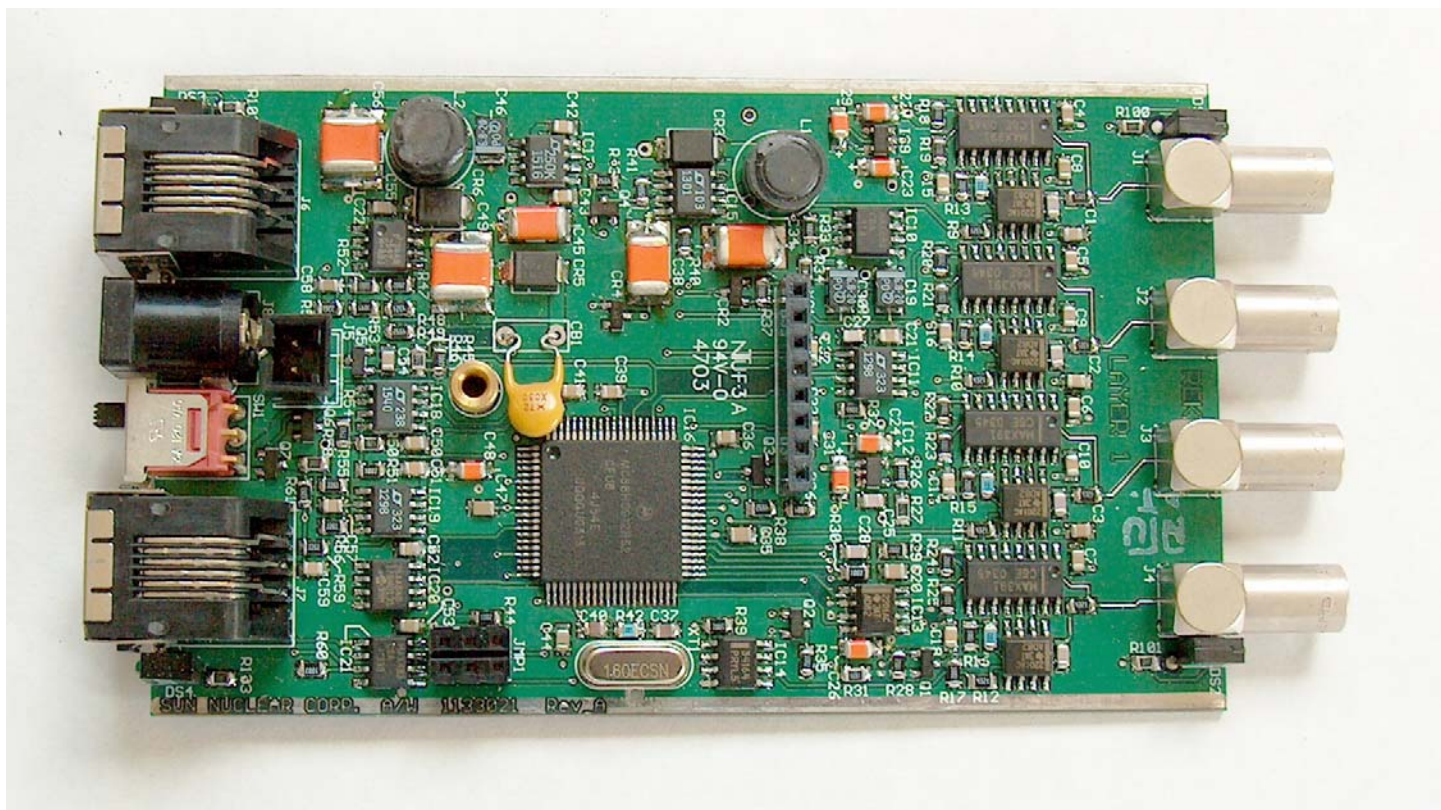


FIGURE 4A
Top of Electrometer Assembly

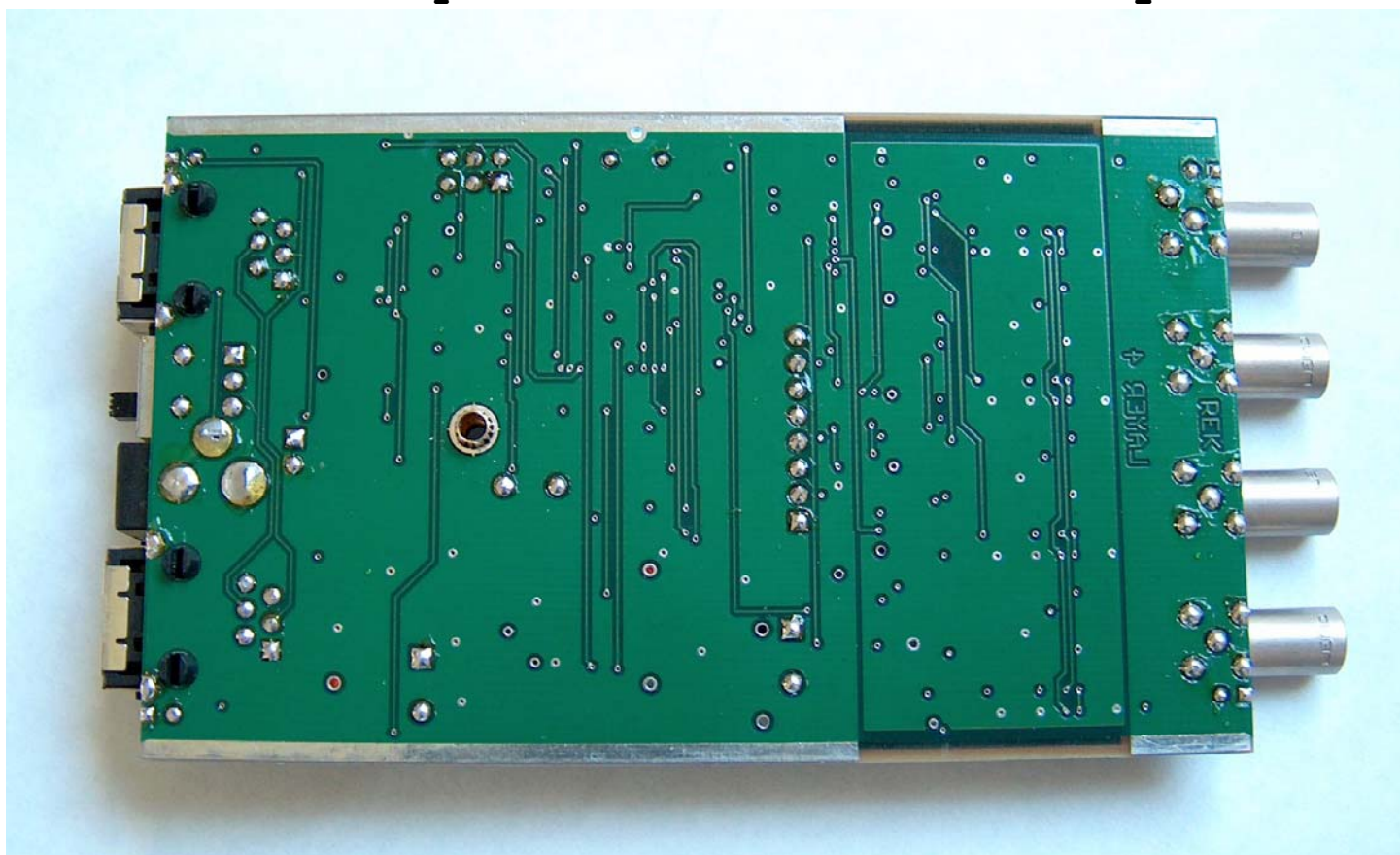


FIGURE 4B
Bottom of Electrometer Assembly

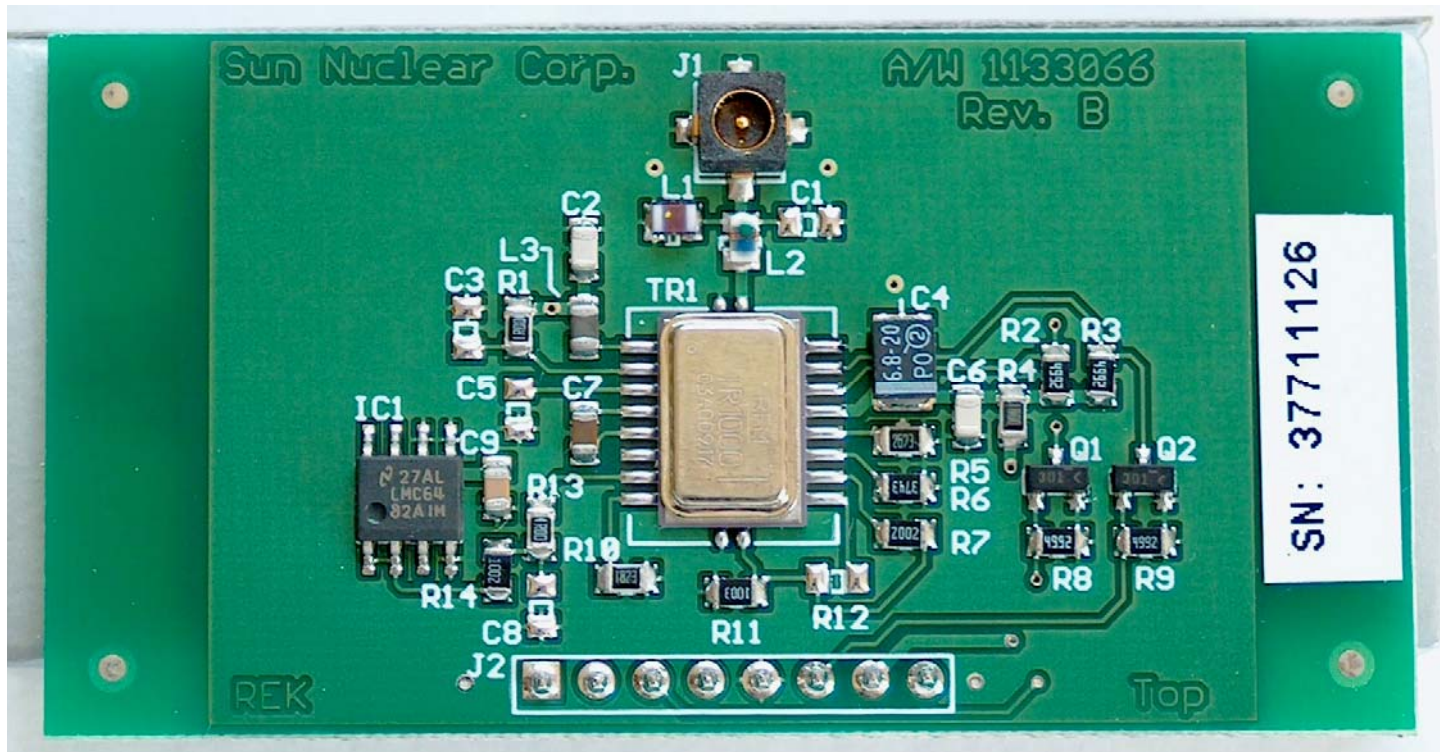


FIGURE 5A
Top of RF Transceiver Assembly

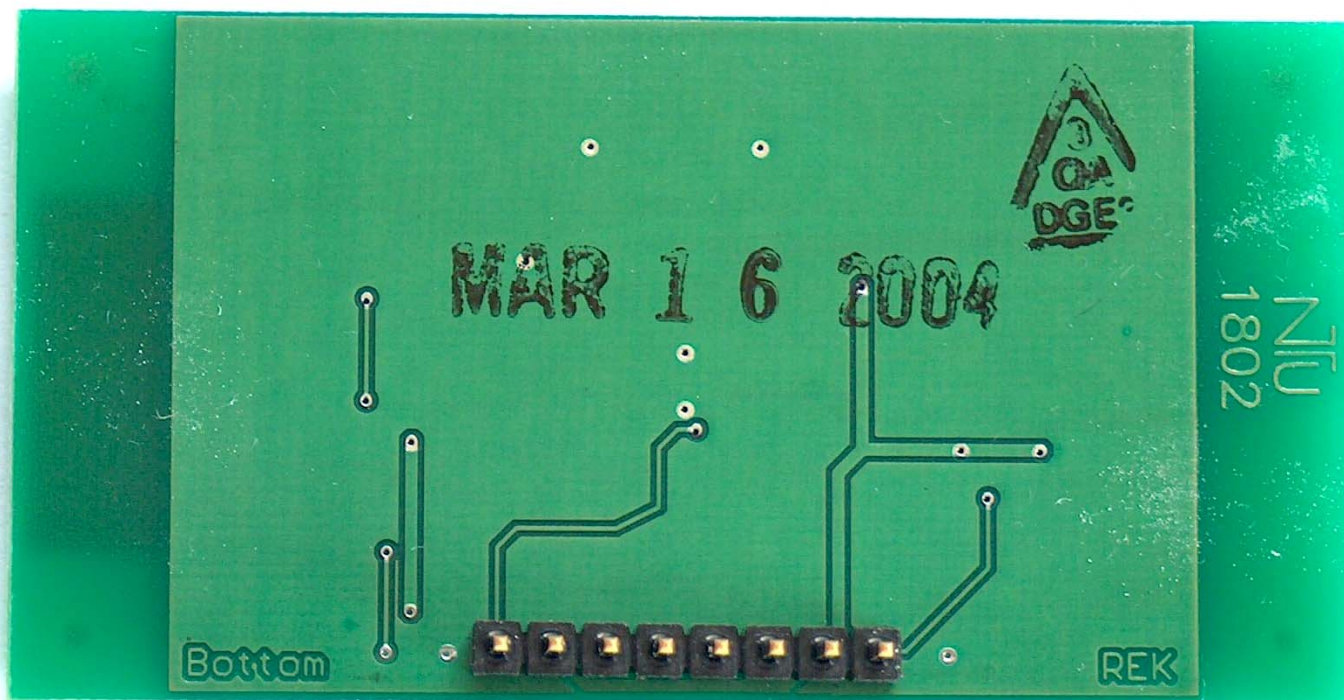


FIGURE 5B
Bottom of RF Transceiver Assembly

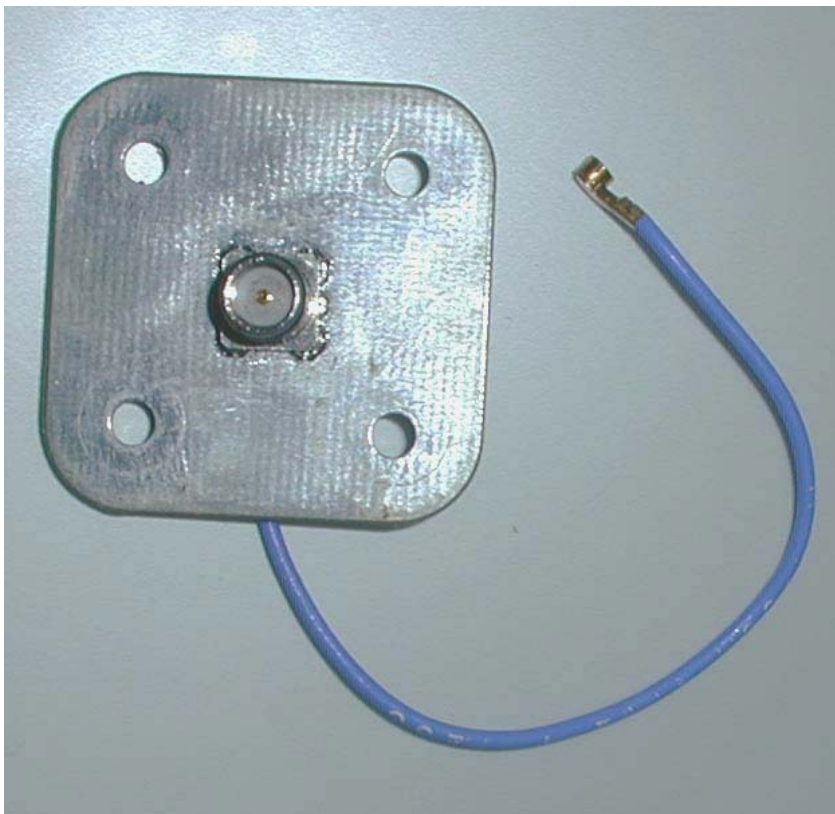


FIGURE 6A
Antenna Mounting Pad, Top

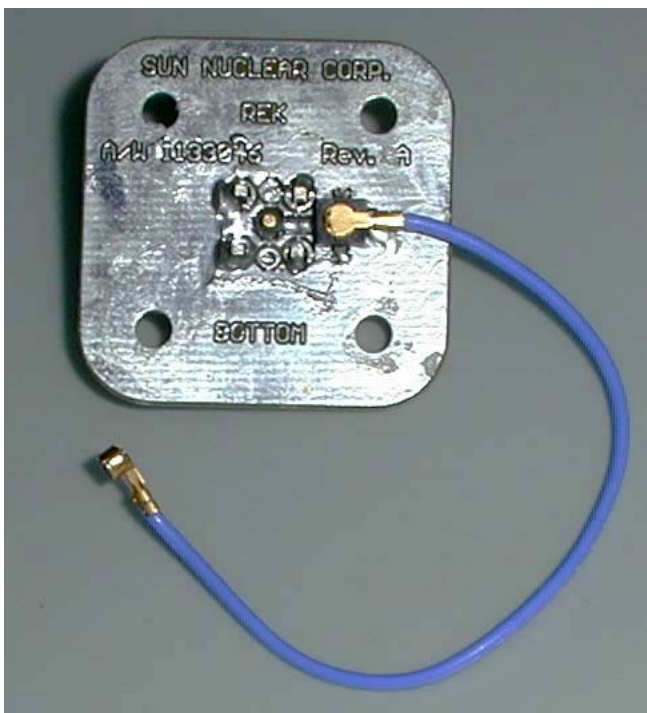


FIGURE 6B
Antenna Mounting Pad, Bottom

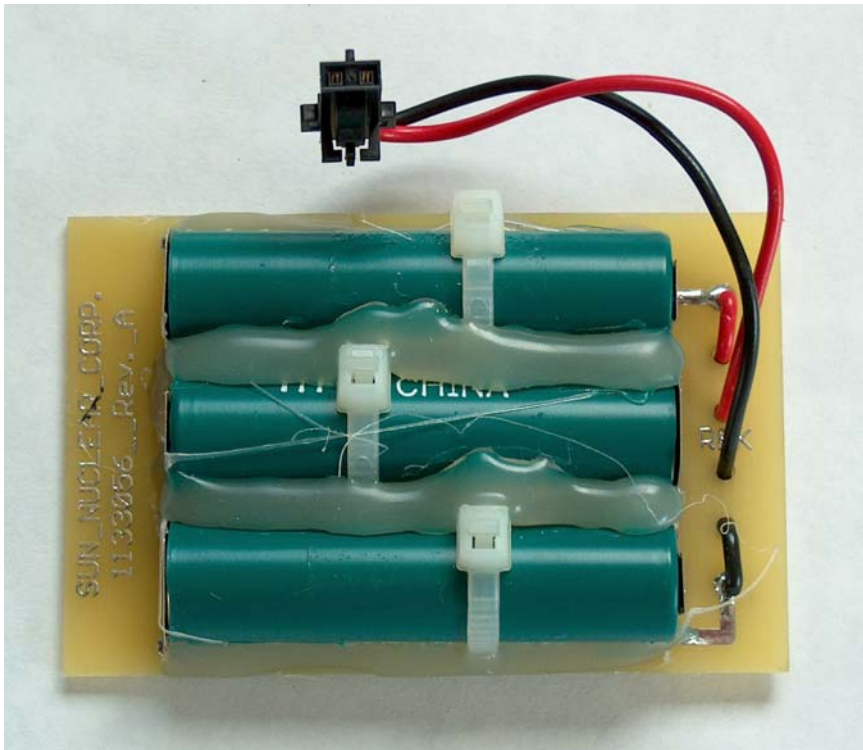


FIGURE 7A
Battery Module, Top

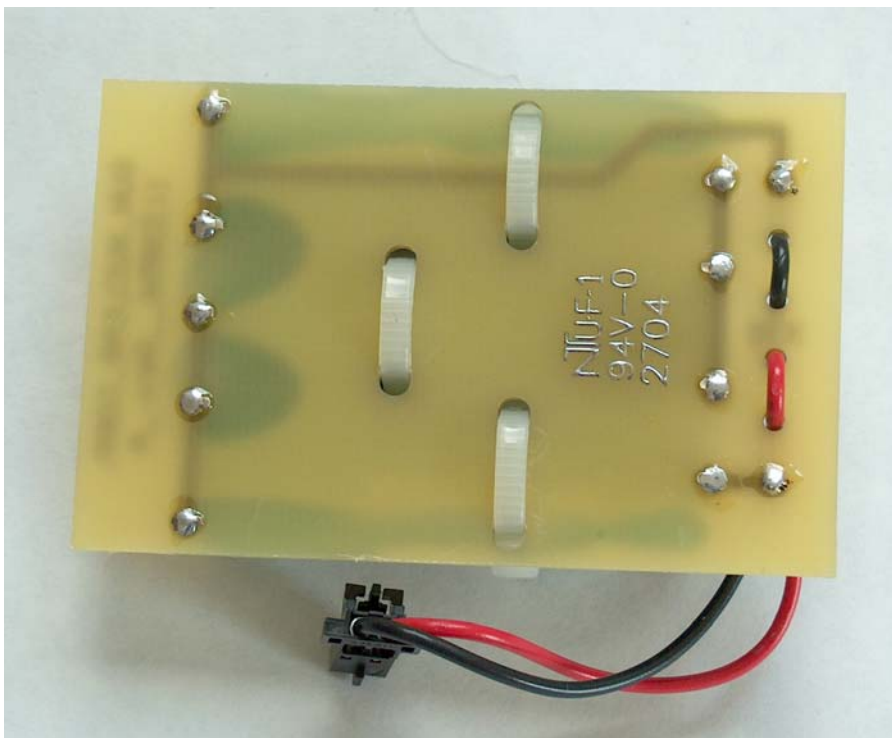


FIGURE 7B
Battery Module, Bottom