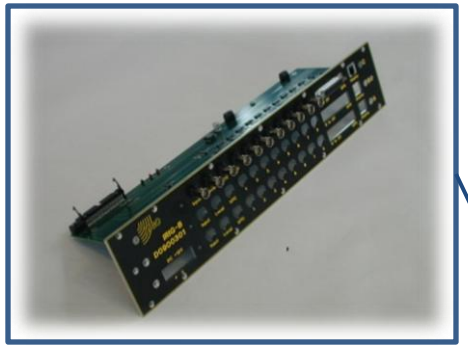
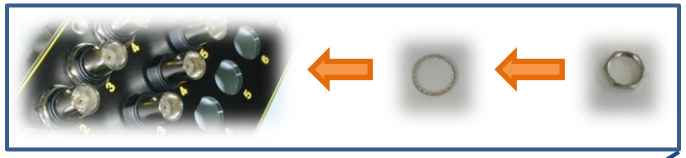
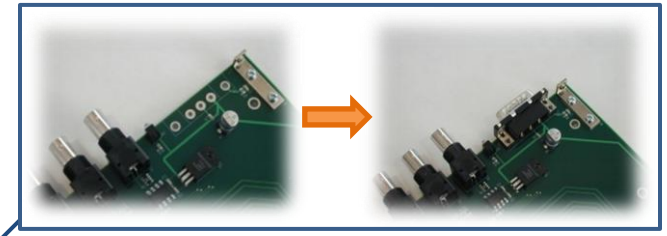
Figure 1. IRIG-B Module Assembly Guide



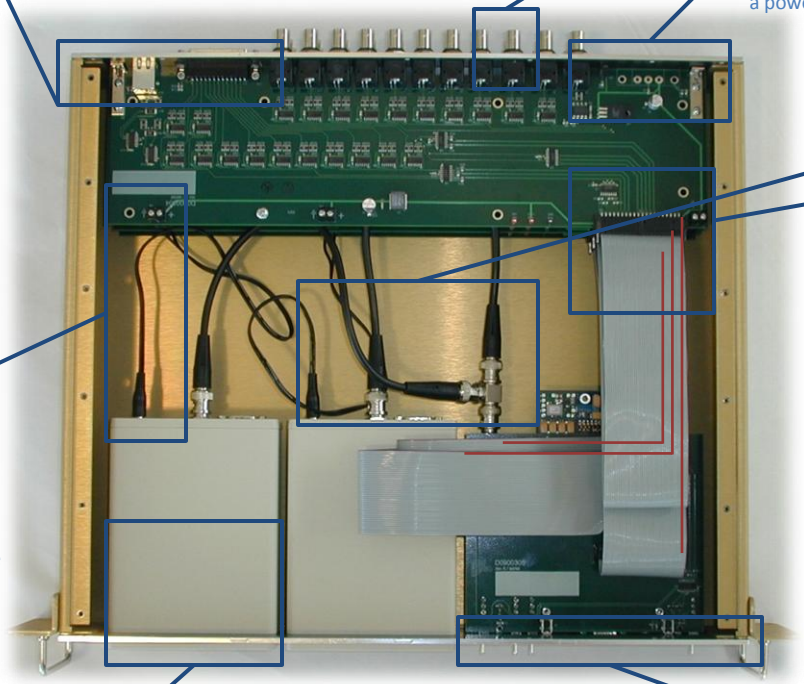
(2.2.2) The Rear IRIG-B PCBs mount into the rear panel as shown. The boards are supported by four pairs of 7/8" standoffs mounted between the PCBs.



(2.2.3) A washer and locknut secure each BNC port on the Rear IRIG-B PCBs. Two screws also hold each board in place, and standoffs ensure the boards remain well-separated.

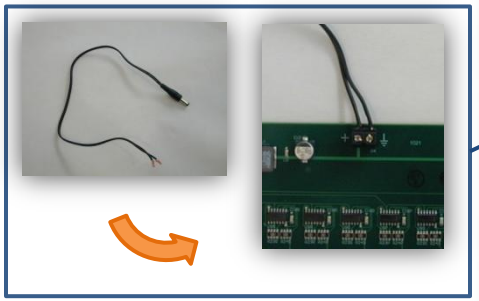


(2.2.1) The Rear IRG-B PCB A supplies power to the IRIG-B module through a power supply connector, which must be sautered to the PCB.

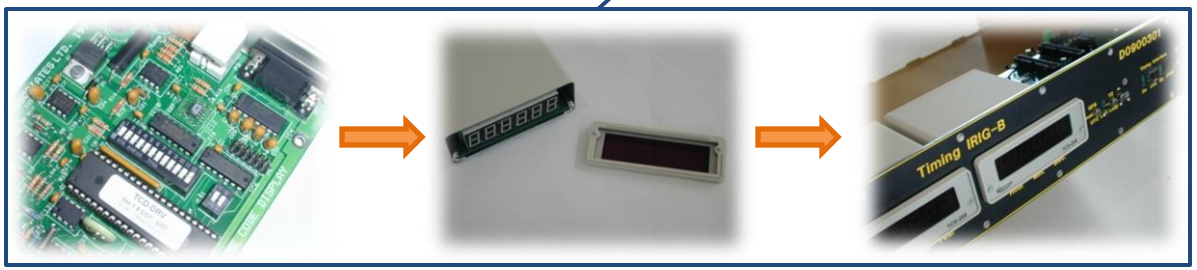


(2.3.1) Two short BNC cables and a T-connector send an IRIG-B signal from the IRIG-B Daughter to the LCD Displays.

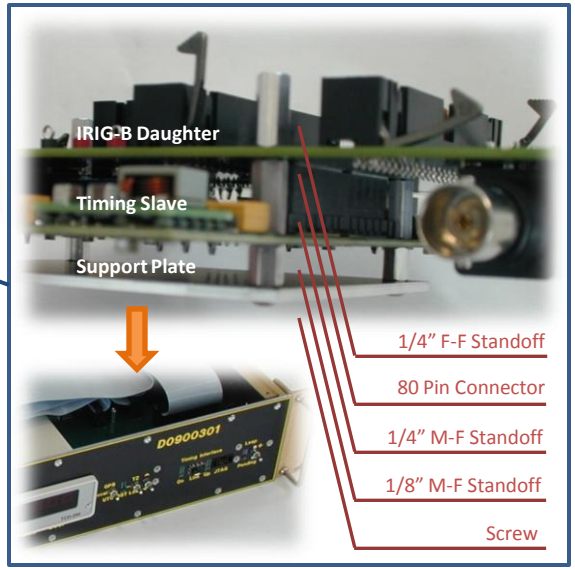
(2.3.3) Three 40 pin ribbon cables interface between the Rear IRIG-B PCBs and the IRIG-B Daughter. The ground wire on each cable is attached as shown by the red lines at left.



(2.3.2) The LCD Displays are powered from makeshift cables cut off from wall-plug power supplies. To make these cables, strip the ends of the power cord and mount it to the screw terminals on Rear IRIG-B PCB A.



(2.1.2) The two LCD Displays must first be set to display either time or date. These settings can be adjusted via dipswitches inside the Display box. Unscrew both front and rear Display box covers to access these switches. Date display: set SW1 -1 low and SW1-2 high for date display; set SW2-11 high for European display format. Time display: set SW1-1 low and SW1-2 low for time display; set SW2-10 low for 24-hour time display. For both Displays set SW2-12 high to disable RTC (this causes the Display to show dashes unless a timing signal is being actively received). The Displays mount into the front panel using the front covers, as shown.



(2.1.1) The IRIG-B Daughter connects to the Timing Slave through two 80 pin connectors and is secured with a standoff assembly, as shown above. A support plate helps hold the assembly up when it is mounted into the front panel.