



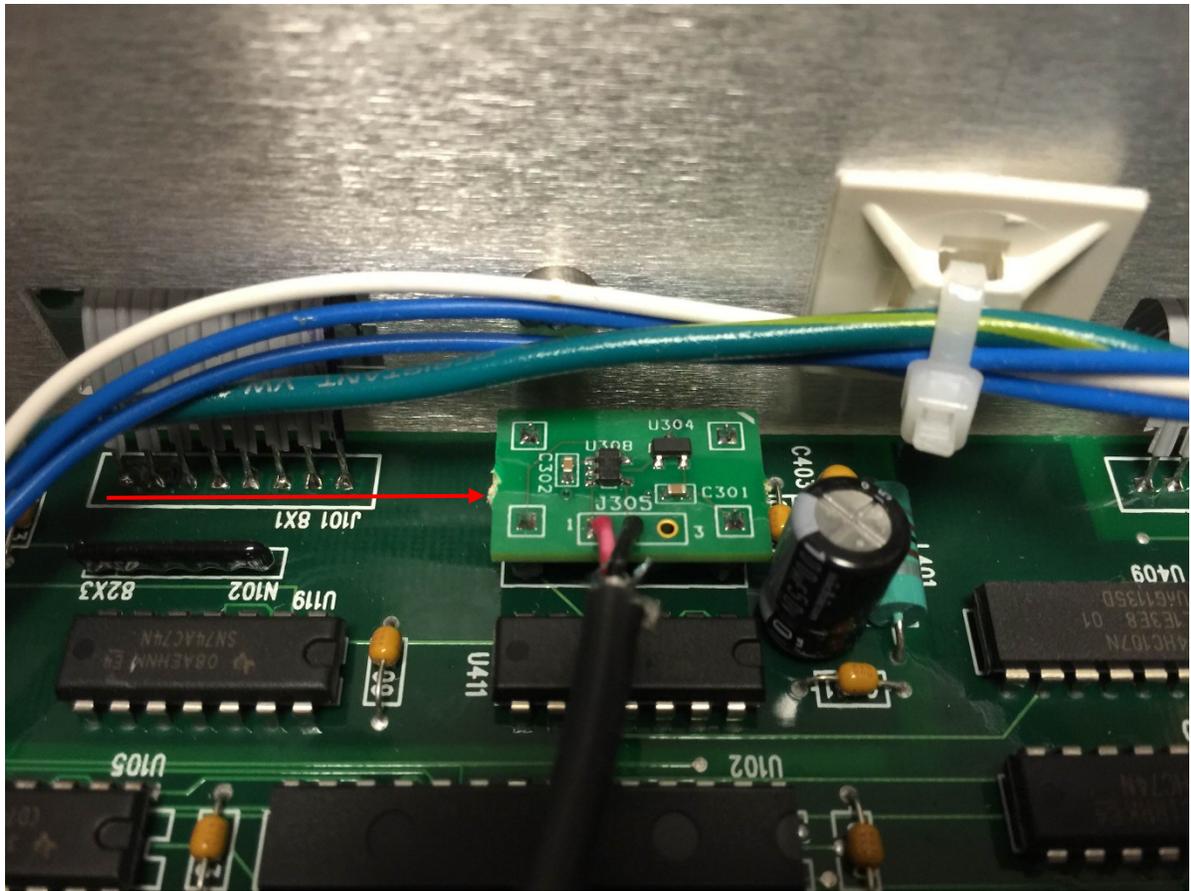
## Instructions for installing OPT 3 into a DS360

### Tools Needed:

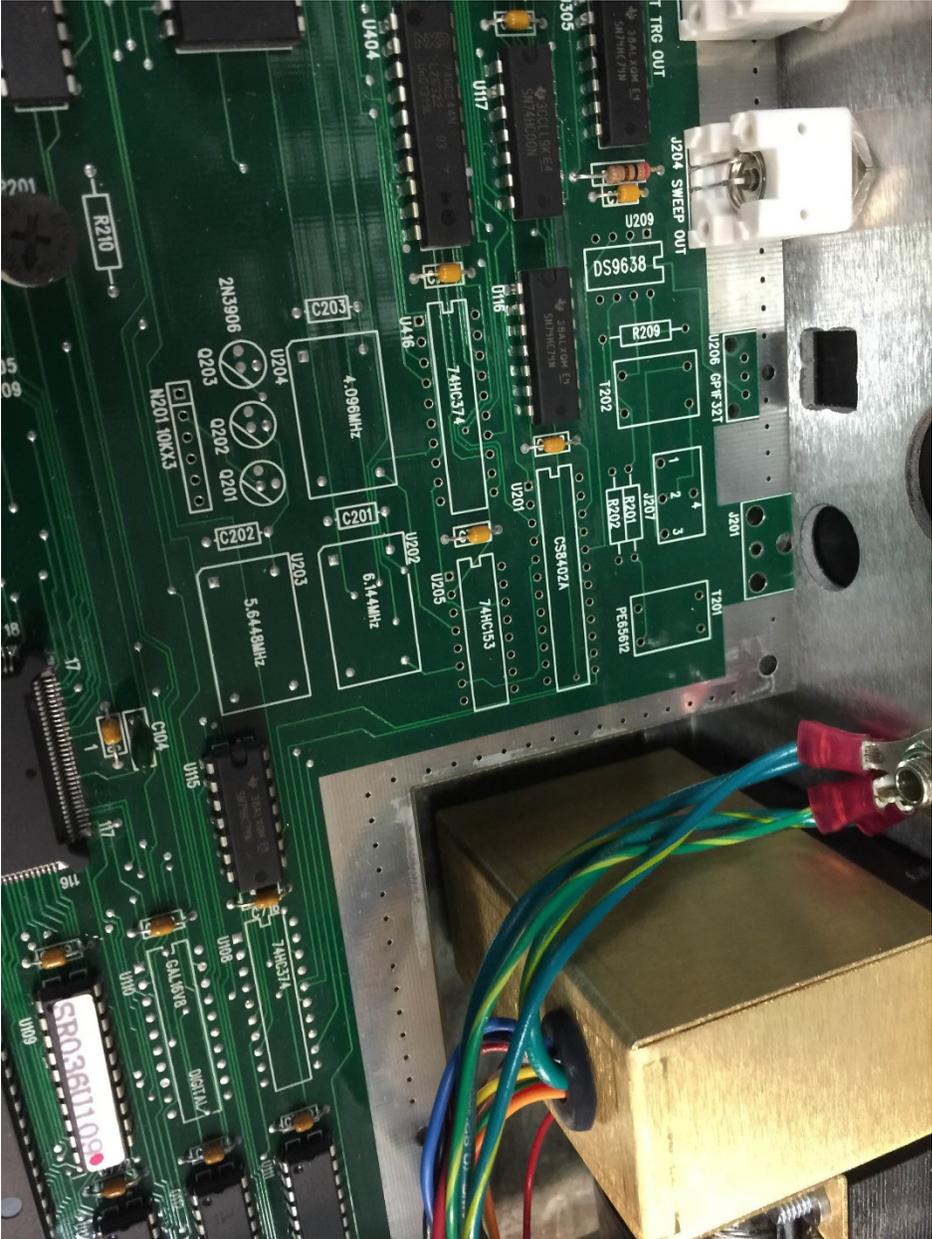
1. Phillips head screwdriver
2. Soldering Iron
3. Desoldering tool
4. Solder

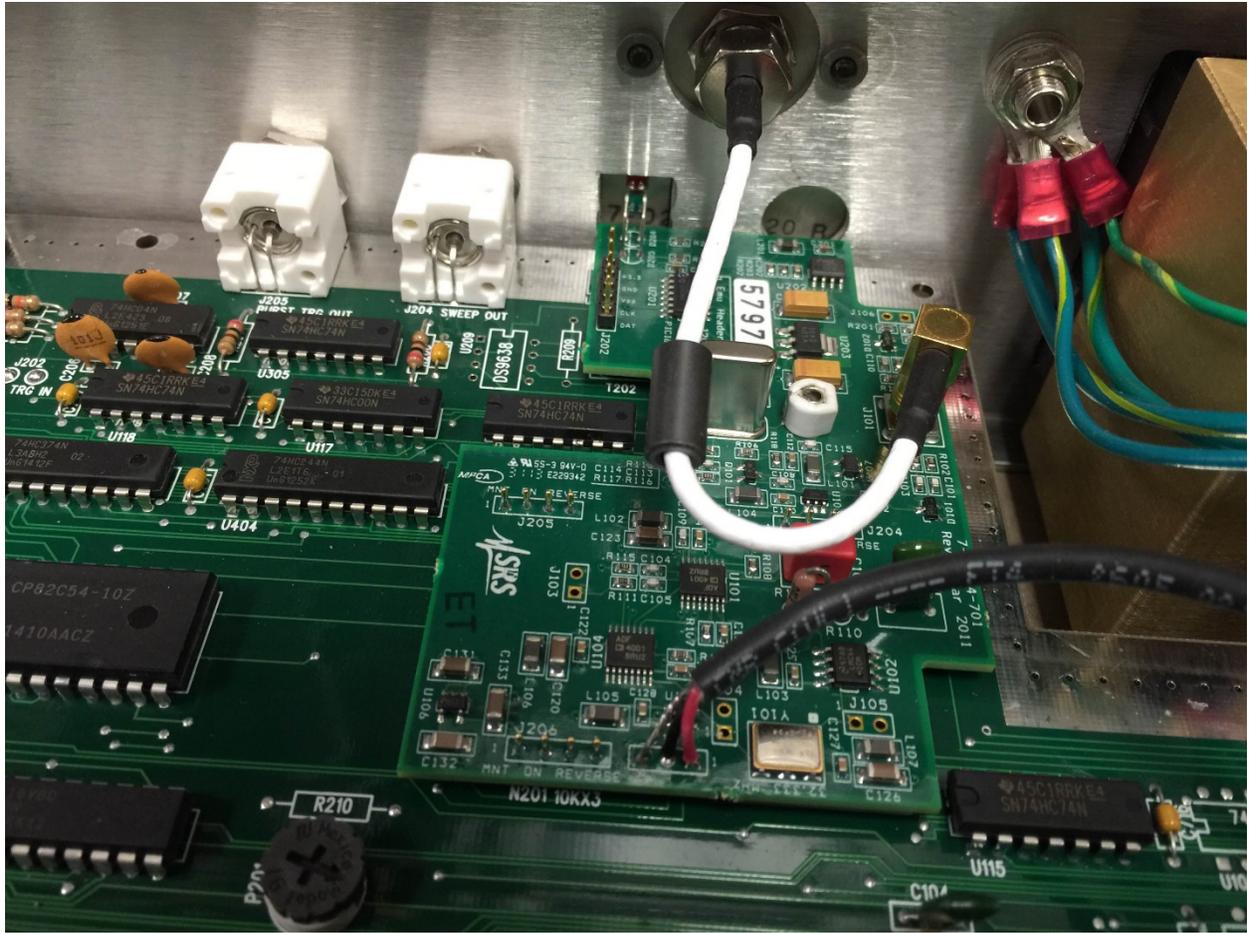
### Procedure:

1. Remove top and bottom covers
2. Remove the black plate on the rear panel (save the screws)
3. Install the supplied Timebase input plate.
4. Desolder the oscillator (U408 near the center of the instrument, 4 pin oscillator)
5. Install the OPT 3 into the instrument (line up the connectors so the opt board sits flat onto the main pc board ), then solder the board into the main pc board.
6. Solder the small connector attached to the coax cable into U408 location (see photo, red arrow points to location of U408)



PC board without OPT board installed:





7. Install the BNC cable.



8. Turn on the instrument and let it warm up for at least an hour.
9. Set the frequency to 100 kHz and measure the SYNC output with a frequency counter.
10. Tune the White capacitor (C115) so the frequency counter reads as close to 100 kHz as you can get.
11. Attach 10 MHz input to the rear of the DS360 and measure the frequency out.