

Installing the LeCroy LCD adapter board Fretech 11068

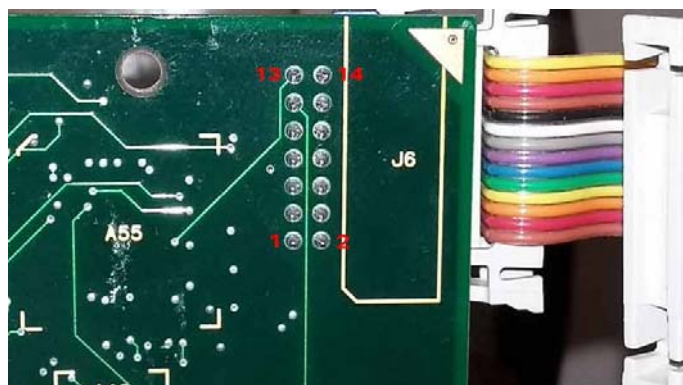
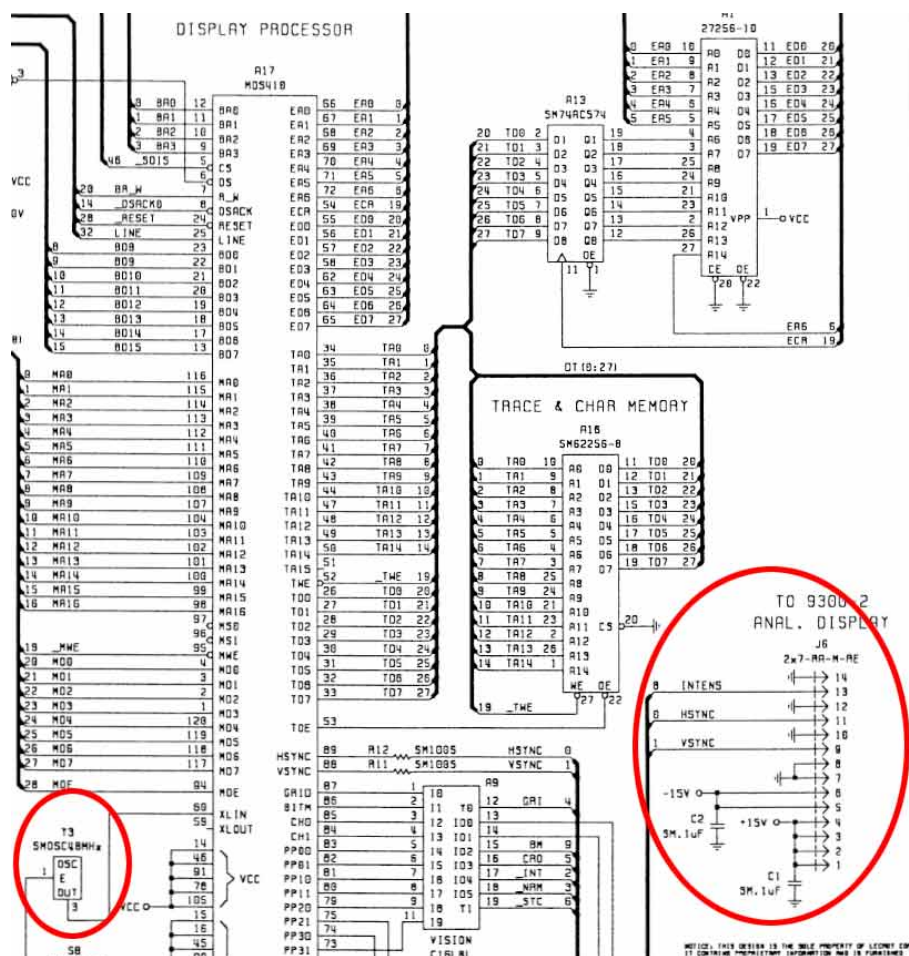
Before proceeding, you must check that your instrument is compatible with this adapter board.

First step is to control that the analog display connector has the expected pin-out and the supply voltages are calibrated.

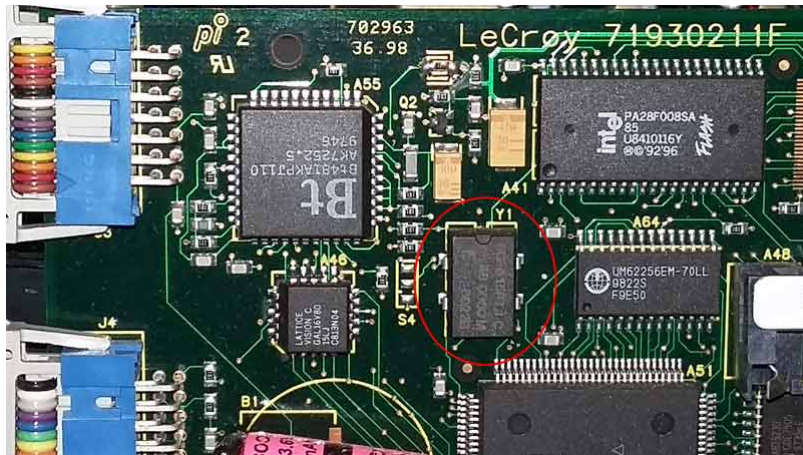
Below is the schematic section of the processor board of a Lecroy 9314.

Check that signals of your oscilloscope are coherent with this diagram.

Check that voltages +15 and -15 are within recommended tolerance (+/- 0.1V).



Second step is to check that the display processor clock frequency is 48Mhz +/- 500hz.
If your frequency is above this range, the LCD board could not lock properly and image will not be stable.
On the picture below you can see the CLOCK CHIP, but your board could have different layout.



At this point, if your instrument meets the above requirements, you can start to disassembly the oscilloscope front panel,



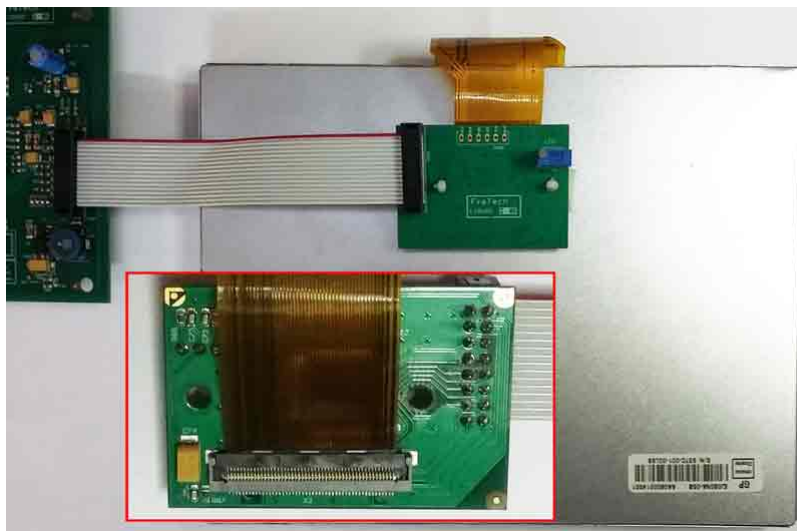
remove the CRT and the driver board.



Now take the LCD frame and stick it on the display.



Now connect the display flat cable to the interface board.
Be sure it is inserted properly and firmly.



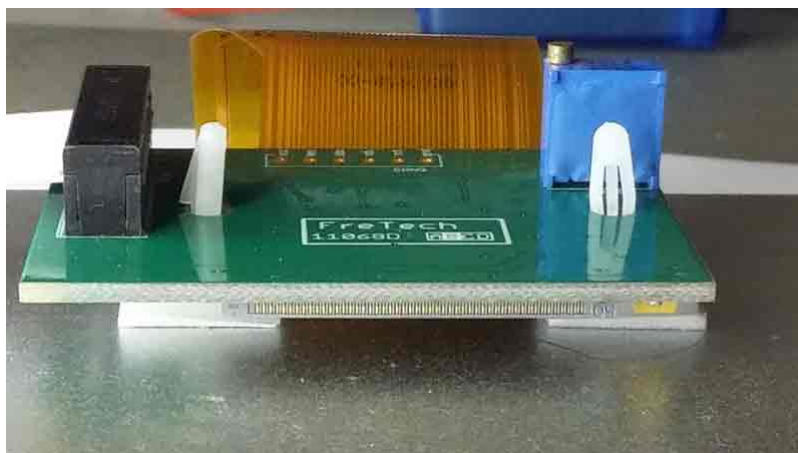
By means of the supplied brackets, place the LCD centred in the frame window.
Be sure that the display is firmly fastened.



Fix now the mainboard in place using the top screws and the adhesive board support,



And at last, secure the interface board to the back of the display by other two adhesive board support.



Now reassemble the frame in the oscilloscope and reconnect the display cable and the keyboard cable.