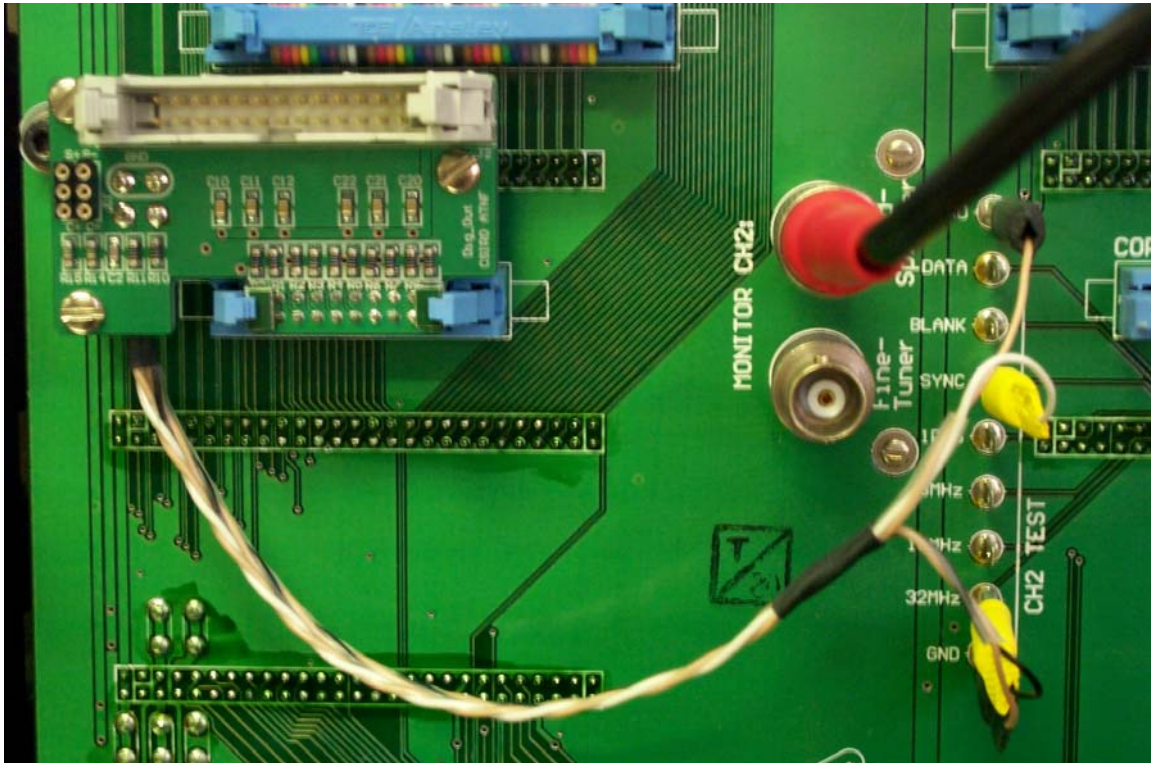


DIG_OUT
Digital Output TTL – LVDS Converter



Installation Guide

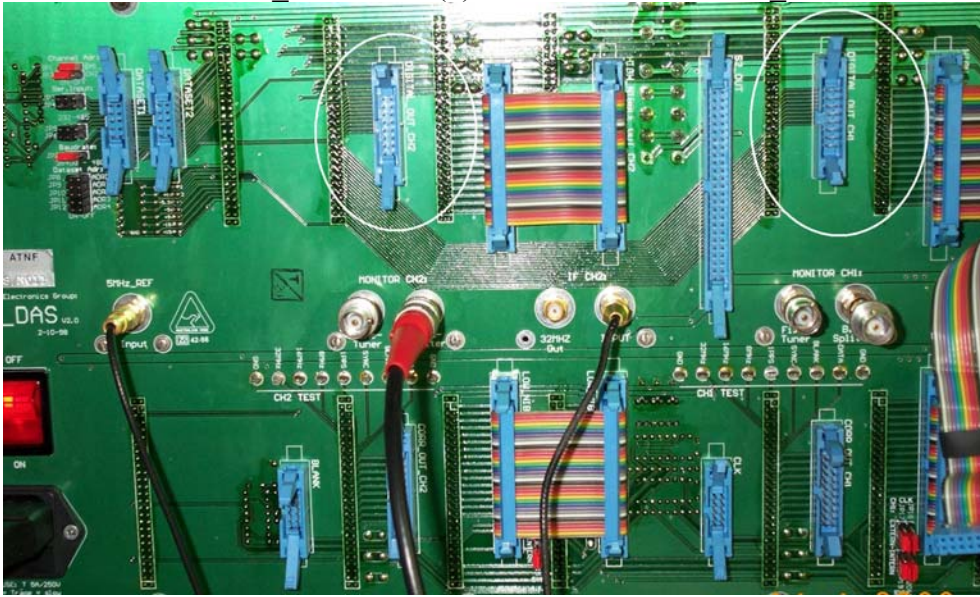
Tim Adams

1. Installation

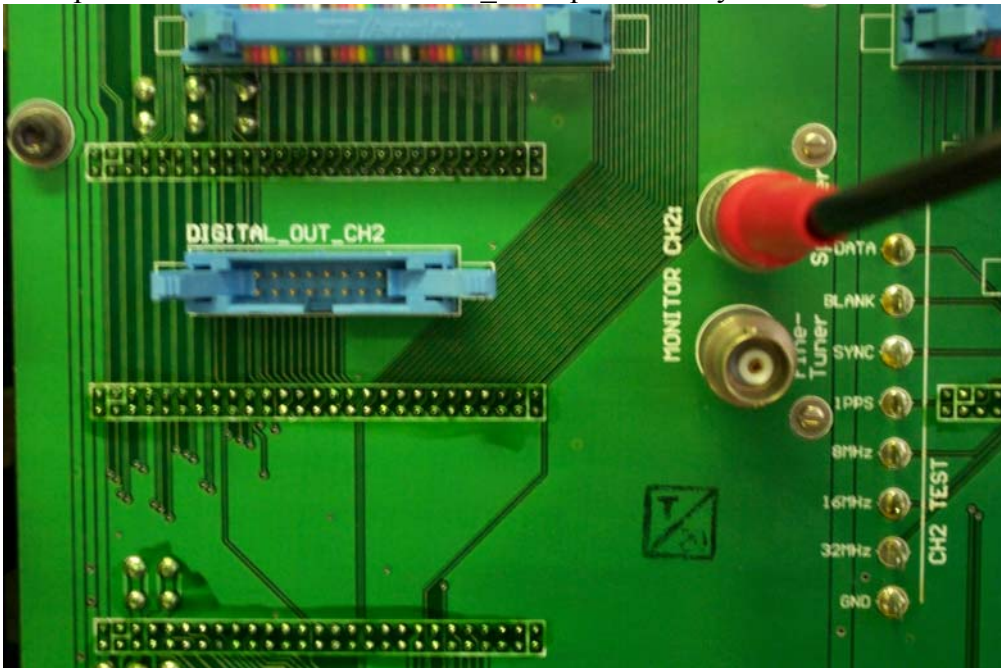
The Dig_Out has been designed to mount directly onto either of the Digital Out Ports on the Back of the LBA_DAS. Test pins are used to acquire the 32Mhz and Sync Signals.

2.1 The Board

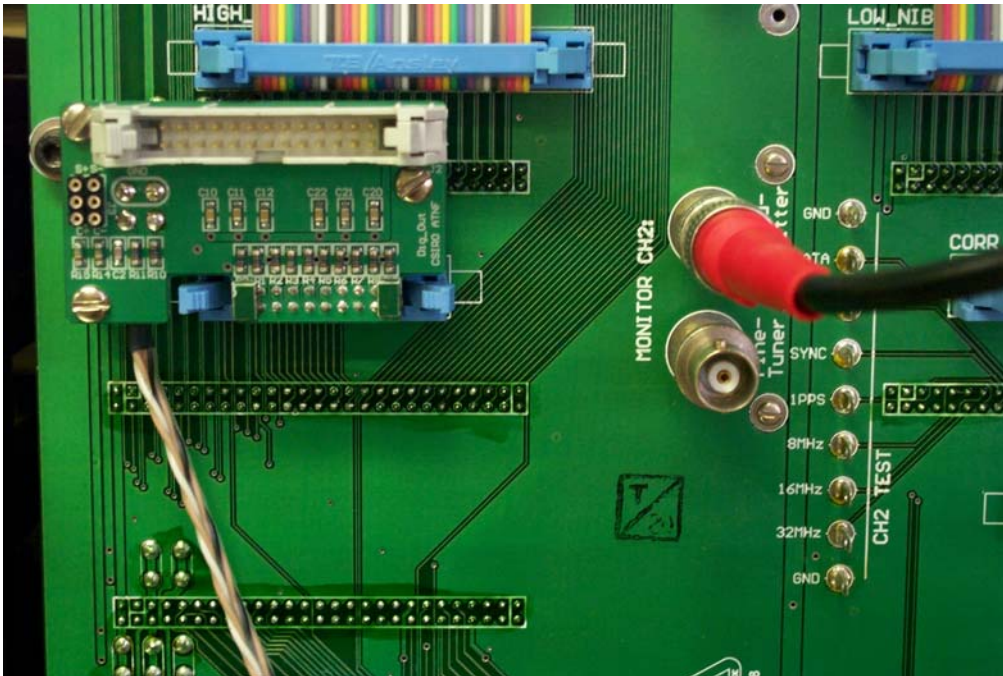
1. Locate DIGITAL_OUT Ports (2) on the rear of the LBA_DAS.



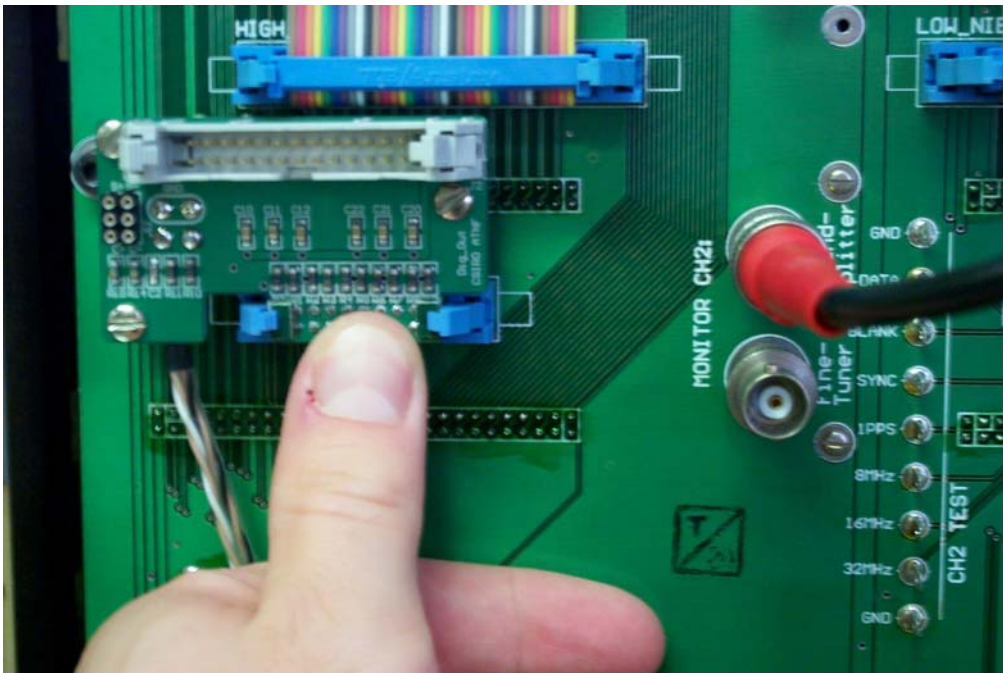
2. Open the latches of the DIGITAL_OUT port halfway.



3. Push the 16 Way socket on the bottom of the Dig_Out board into the DIGITAL_OUT Port.

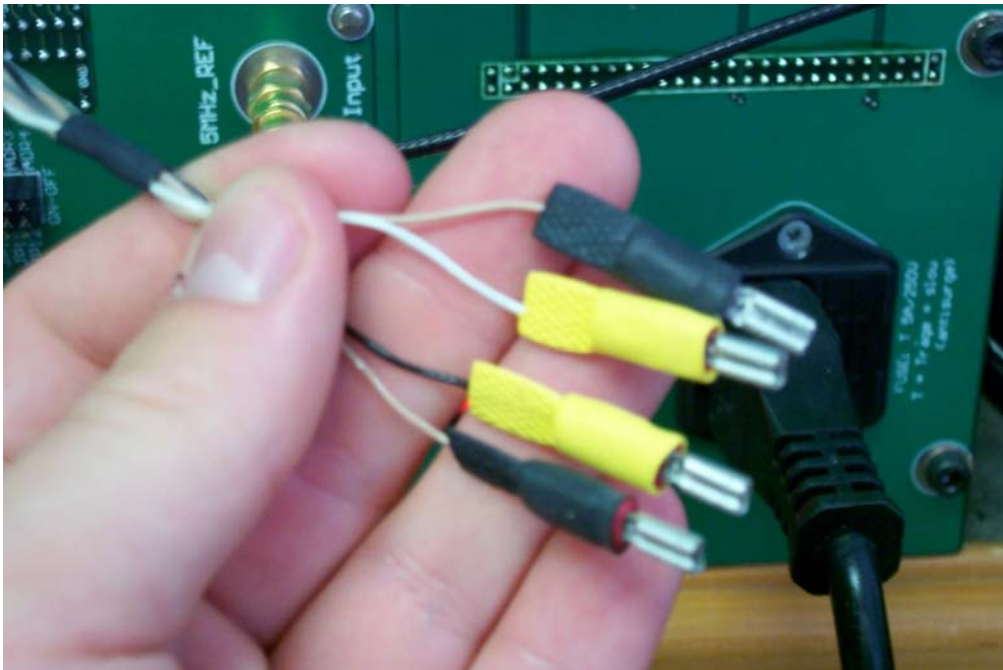


4. Push on board to close latches.

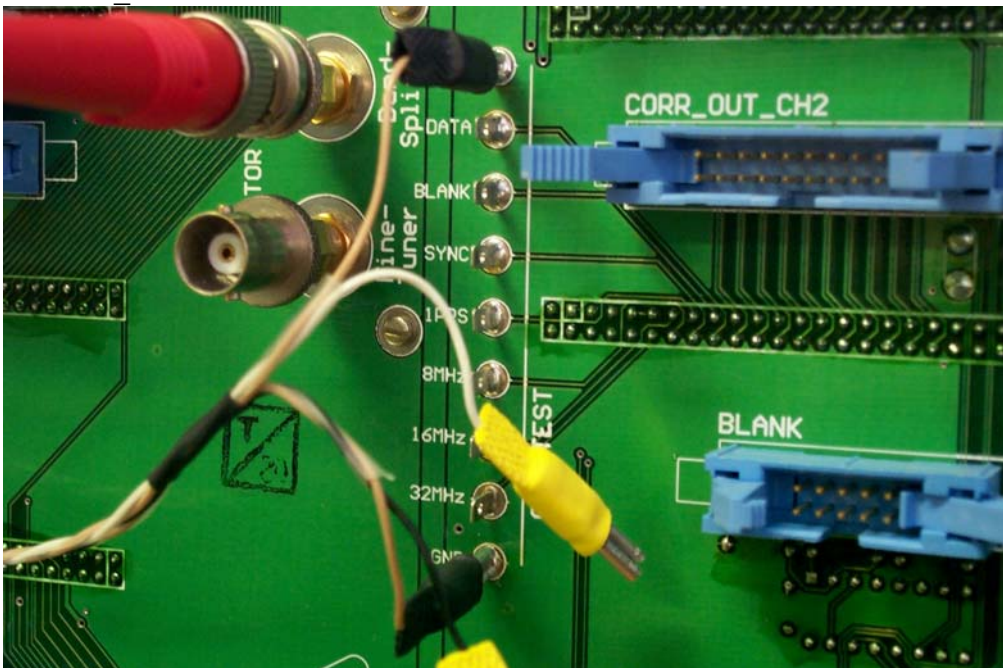


2.2 The Timing Cable

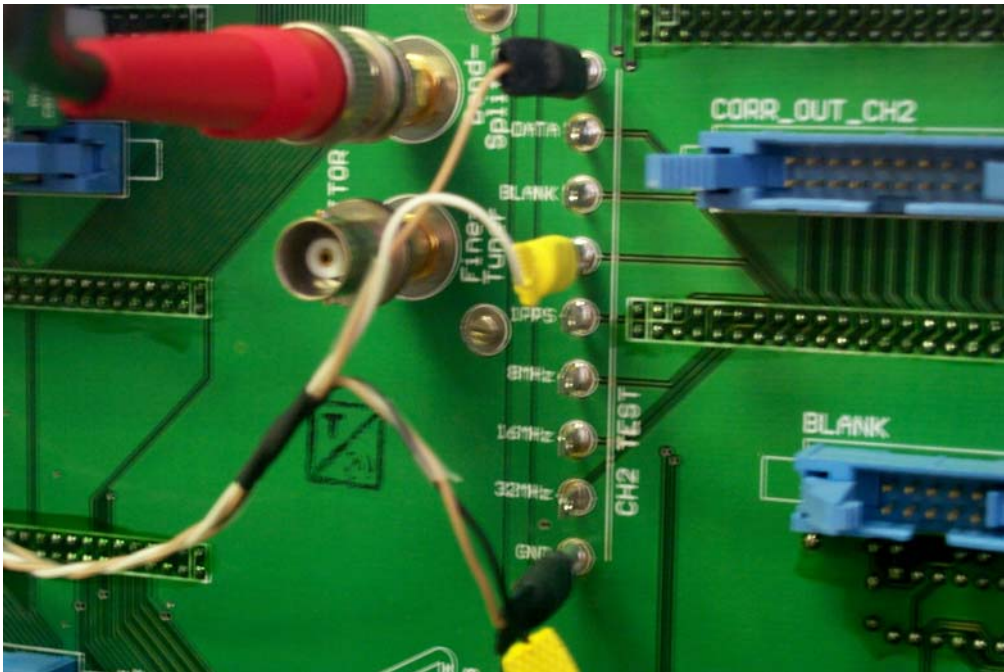
1. The Timing cable consists of two twisted pairs, and attaches to the LBA DAS backplane with 4 Spade sockets. There are two (2) black sockets, the ground carriers, and two (2) yellow sockets, the signal carriers. Note that the wires entering the yellow sockets are of different colours. Separate the two pairs in your hand.



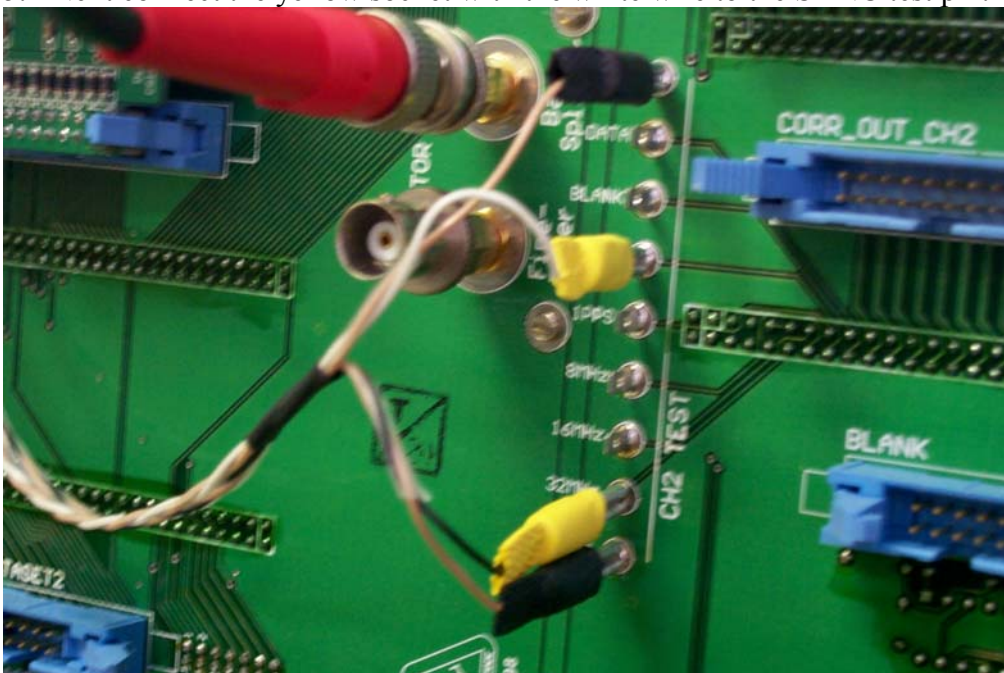
2. The cable naturally flows off the Dig_Out and around the front of the Digital Output connector.
3. First plug the two black sockets into the two GND test pins on the back of the LBA_DAS.



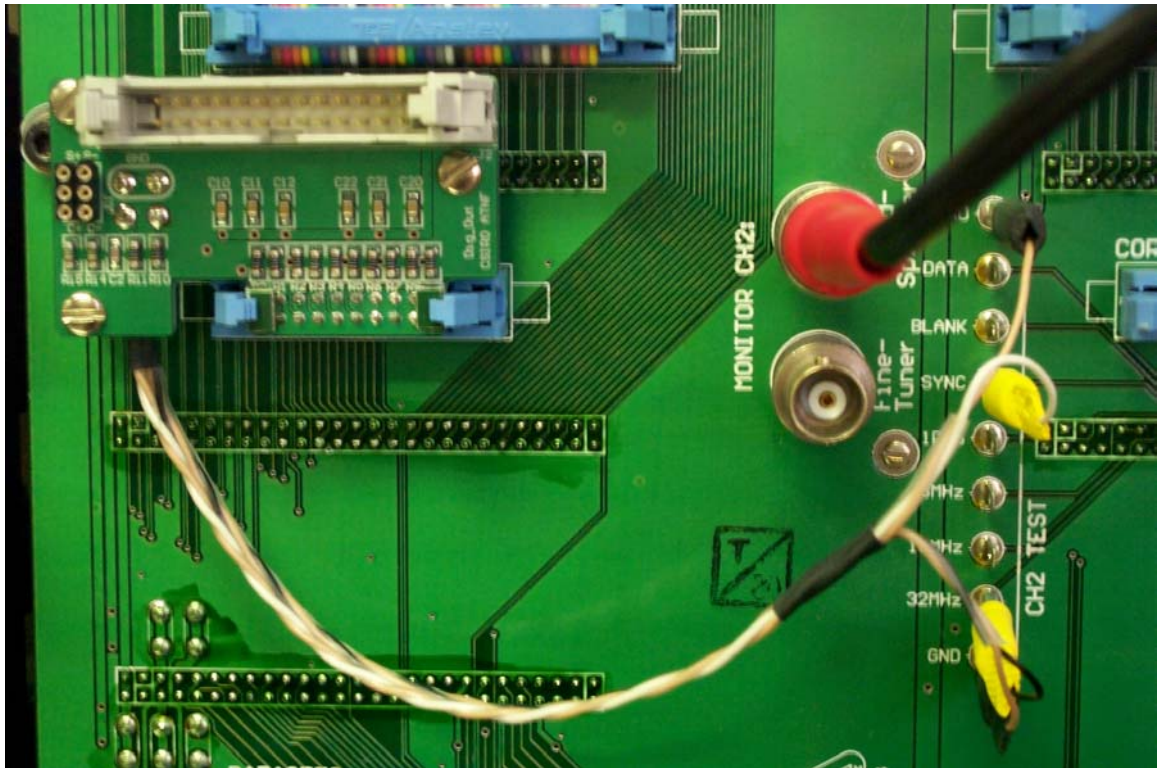
4. Next connect the yellow socket with the black wire to the 32MHz test pin.



5. Next connect the yellow socket with the white wire to the SYNC test pin.



6. Installation is now complete.



Please Note:

- The Dig_Out will not operate unless electrical power is supplied at Pin 13 & 14.