**MCEN Board Preparation Procedure**

1. **Visual Inspection**
   1.1. Check for ?

2. **Initial Installation Tasks**
   2.1. Serial Number Sticker – place in area below fuses
   2.2. Stiffener Bar – requires nylon standoffs (6) and M2.5 x 12 machine screws (7).
      Visually check that the stiffener bar does not touch the backplane connector contacts.
   2.3. Check screws attaching front panel to board, tighten as necessary.
   2.4. Trim stubs on back side of board from horizontal stiffener bar.
   2.5. Daughter Board Standoffs – requires threaded nylon standoffs (68) and matching 4-40 x ¼" nylon screws (68). Install screws through back of board first then screw on standoffs finger tight. Take special care to not flex the board or damage nearby traces or vias.
   2.6. Jumpers (8) – in addition to those shown below, add a temporary jumper to J3 (lower left hand corner) for initial programming of the JTAG chain.

![Diagram showing jumpers and switches](attachment:board_diagram.png)
2.7. Fuses – install two 10A picofuses.
2.8. Set VME address on SW1 to 2.

3. Modifications
3.1. As needed

4. Cabling
4.1. Attach tail to MCEN using 4-40 x 1/4” machine screws (3)
4.2. If CONEC connector shells not already attached, attach 2 shells to tail using 4-40 x 5/16” machine screws (4) and lock washers (4)
4.3. Follow installation order in attached cabling document

5. Final Prep Tasks
5.1. Install Physics Board
  5.1.1. Serial Number Sticker
  5.1.2. Clip off test points
5.2. Install 4-40 nylon nuts (68) for RX, TX, and Physics Board