

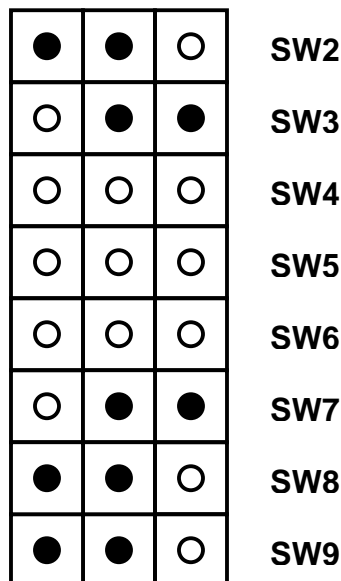
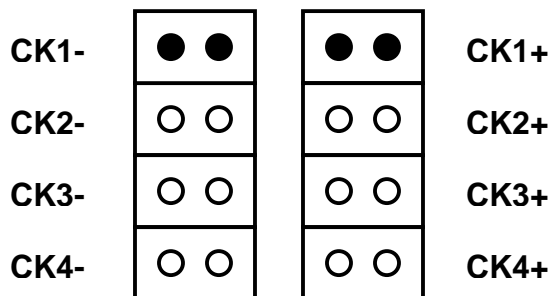
MCEN Board Preparation Procedure

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 1/4" 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.



- 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