Custom Metal Box







MEMSDuino

Lafe Spietz NIST

2024







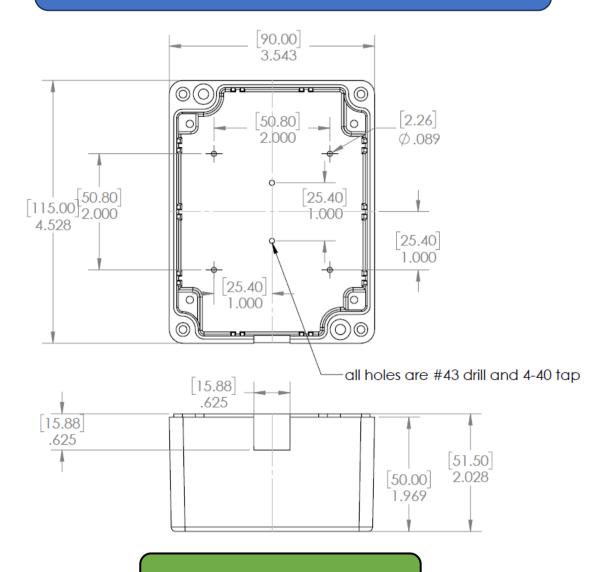




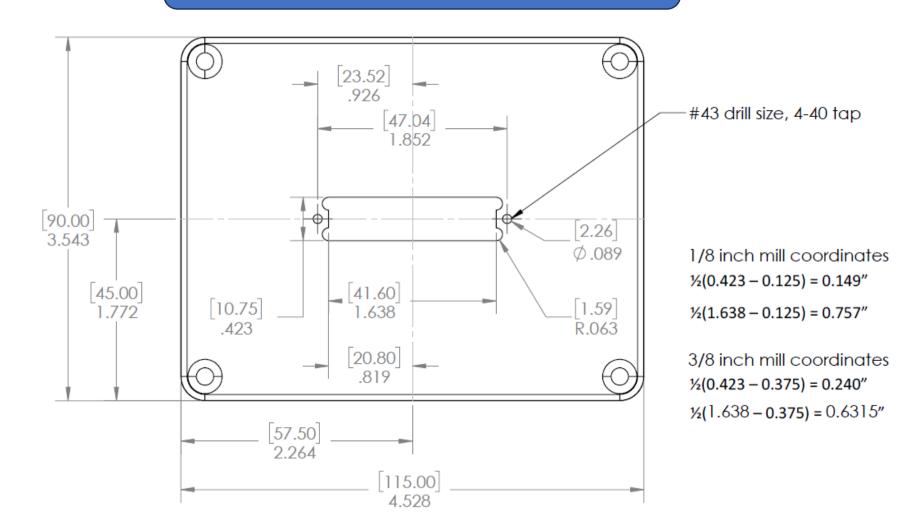




Modify or buy already-modified AN-1304-A box as follows:



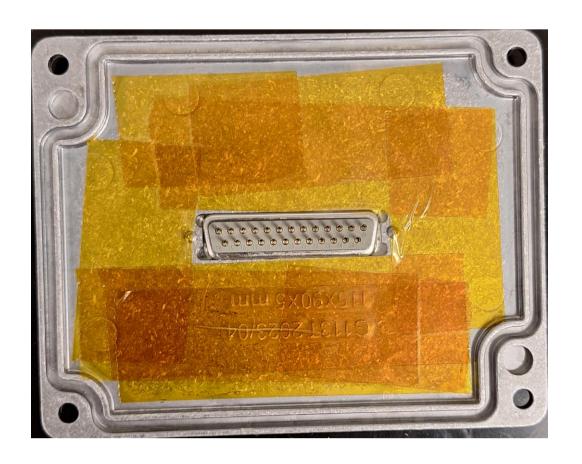
Modify or buy already-modified AN-1304-A lid as follows:



Screw DB25 Connector to lid using 7/32" 4-40 standoffs:



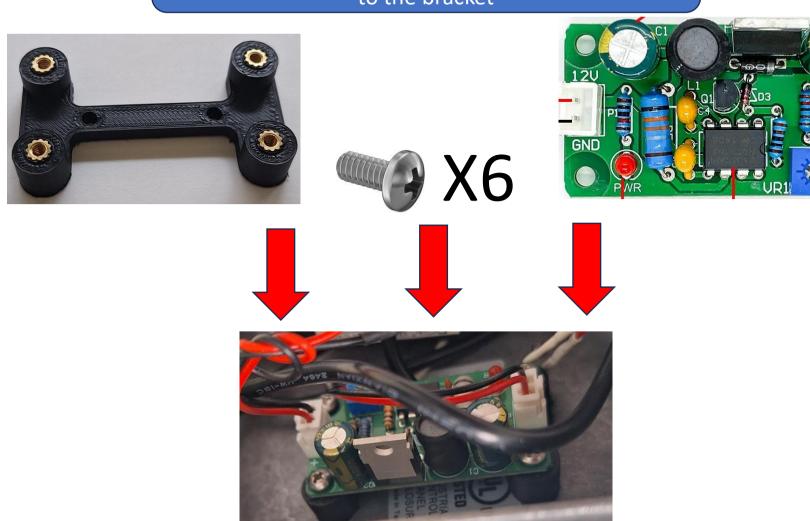
Add polyimide tape to lid to prevent possible shorts



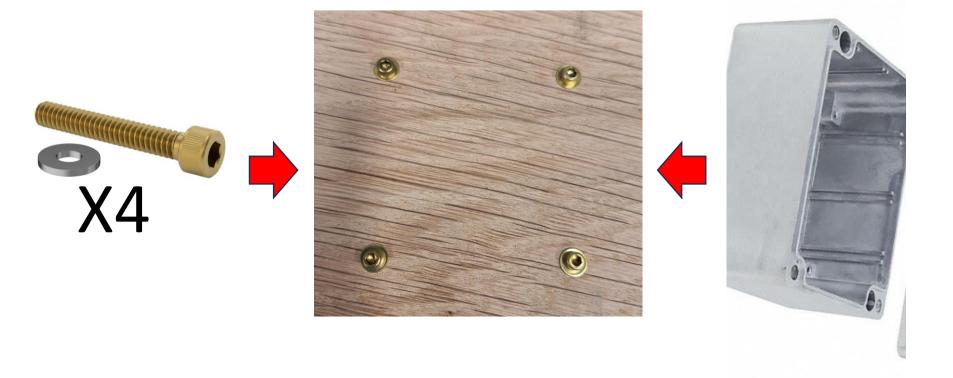
Solder already-assembled DB25 relay circuit board to DB25 connector, adding some space deliberately along the pins



Use 4-40 screws to assemble the DCDC HV mounting bracket to the box, and the high voltage boost board to the bracket



Use ¾" 4-40 screws to attach the main box to the wood board, with washers for each screw:



Assemble cables, matching red wire to lowest pin number on both ends, being careful to keep track of which 8 pin cable is which.

