

MVP428 Upgrade Card Installation Instructions

11. Locate the male 60-pin vertical connector near the LED edge of the main circuit card. Check that pins are straight and evenly spaced. If not, then correct for straightness and spacing. Locate the 60-pin female connector on the upgrade circuit card.
12. Set the upgrade circuit card on top of the main circuit card. Align the upgrade card's 4 pairs of phone-jacks with the 4 pairs of holes in the backplane of the main card. Slide the phone jacks into the holes.
13. Mate the upgrade card's 60-pin female connector with the main card's 60-pin male connector.

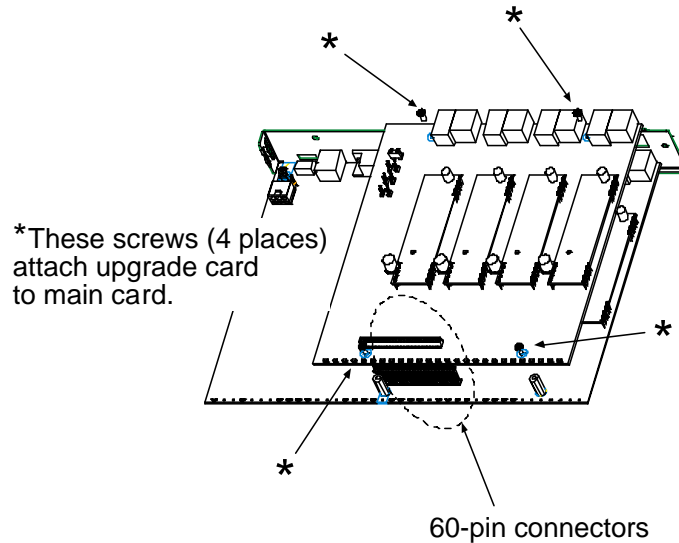


Figure 7. Attaching upgrade card to main circuit card (secure 4 Phillips screws; mate 60-pin connectors)

14. There are four copper-plated attachment holes, two each at the front and rear edges of the upgrade card. Attach the upgrade card to the main card using 4 Phillips screws. The upgrade card should now be firmly attached to the main card.
15. Slide the main circuit card back into the chassis far enough to allow re-connection of power cable.
16. Re-connect power cable.
17. Slide the main circuit card fully into the chassis.
18. Re-attach the backplane of the main circuit card to the chassis with 3 screws.

(Doc. #82010151L, Rev B;
Nov 29, 2006)



Installation Instructions for MVP428 Upgrade Card



Note: Your MultiVOIP firmware must be at version 6.09 or higher before you can install the MVP428 Upgrade Card.

In this procedure, you will install an additional circuit board into the MVP410, converting it from a 4-channel voip to an 8-channel voip.

Summary: (A) Attach four standoffs to main circuit card.
(B) Mate the 60-pin connectors (male connector on main circuit card; female on upgrade card).
(C) Attach upgrade card to main circuit card (4 screws).

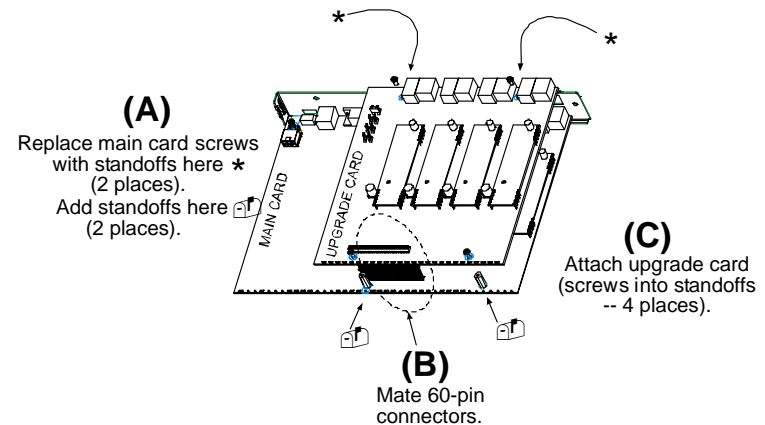


Figure 1. Installation Summary

Procedure in Detail

1. Power down and unplug the MVP410 unit.
2. Using a Phillips driver, remove the blank cover plate at the rear of the MVP410 chassis. Save the screws.

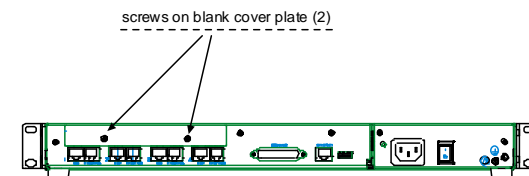


Figure 2: Removing screws from blank cover plate

- Using a Phillips driver, remove the three screws that secure the main circuit board and back panel assembly to the chassis.

NOTE:
Follow standard ESD precautions to protect the circuit board from static electricity damage.

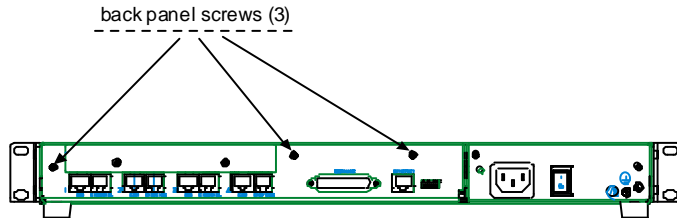


Figure 3: Removing screws from back panel

- Slide the main circuit board out of the chassis far enough to unplug the power connector.

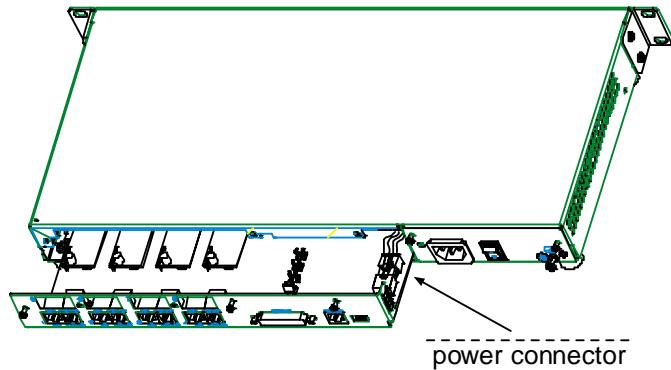


Figure 4: Accessing power connector

- Unplug the power connector from the main circuit board.
- Slide the main circuit board completely out of the chassis and place on a non-conductive, static-safe table-top surface.
- Remove mounting hardware (2 screws, 2 nuts, and 4 standoffs) from its package.
- On the phone-jack side of the circuit card, three screws attach the circuit card to the back panel. Two of these screws are adjacent to the four phone-

jack pairs. Remove these two screws.

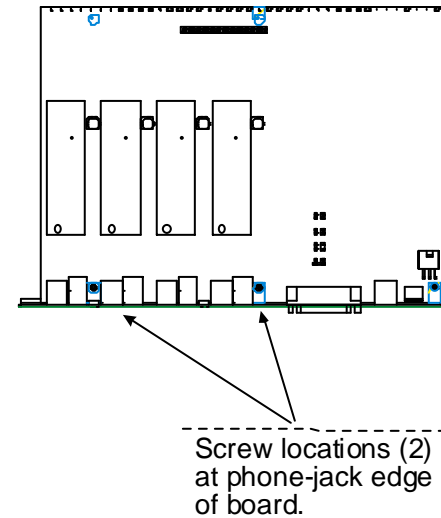


Figure 5: Screws to be replaced with standoffs (phone-jack edge of board; top view)

- Replace these two screws with standoffs.
- There are two copper-plated holes at the LED edge of the circuit card. Place a nut beneath each hole (lockwasher side should be in contact with board) and attach a standoff to each location.

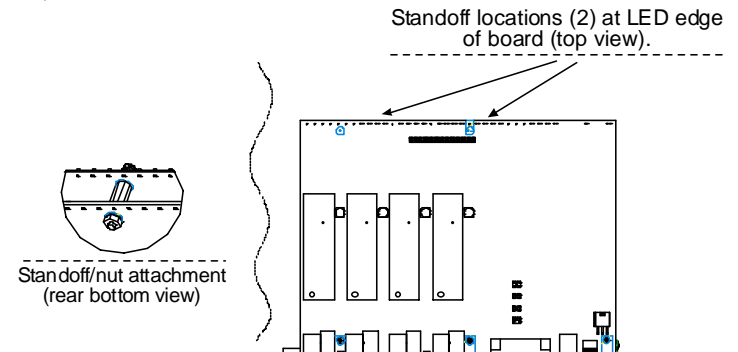


Figure 6: Standoffs at LED edge of board