

MISC HARDWARE (nuts, bolts, washers) NEEDED

Mouser.com does carry a small selection of nuts, bolts, etc., but their prices are extremely high compared to a local hardware store or to the assortment kits sold on Amazon. Therefore the Mouser BOM does not include these mechanical parts, and you'll need to purchase them at a hardware store (or from Amazon). They are used to mount the PCB to the chassis floor, and to attach the MOSFETS to heatsinks

6 of: metric M3 hex nuts

6 of: M3 star washers

4 of: flat washers for M3 or 4-40 or 1/8" bolts

4 of: Phillips pan-head M3 bolts, length = 20mm or 25mm or 30mm {for PCB mount}

2 of: Phillips pan-head M3 bolts, length = 10mm {for MOSFET-to-heatsink attachment}

8 of: Cap Socket (Hex head) M4 bolts, length = 10mm {read discussion below}

1 of: volume control knob; eBay has hundreds to choose from, some very elaborate

The ModuShop chassis from the diyAudio Store includes eight M4 bolts, whose job is to secure the front panel and the rear panel. They are flat head types that fit into countersunk holes. These are perfect if you decide to use the brushed aluminum front panel and back panel, and to drill all holes for volume control, headphone jack, etc., on your own drill press.

However if you intend to use the pre-drilled front and back panels made of black PCBoards, flat head bolts are not the best choice, because the PCB material is not countersunk. Instead, I recommend using M4 x 10mm Cap Socket screws with Hex Heads. These are sold inexpensively on Amazon (120 pieces for \$12.38), search for "M4x10mm Thread 304 Stainless Steel Hex Socket Head Cap Screw Bolt". If you prefer to buy from your local hardware store, they look like this. You need eight pieces: four on the front panel, and another four on the back panel. See the photo of a completed Noir on page 1 of this document.

