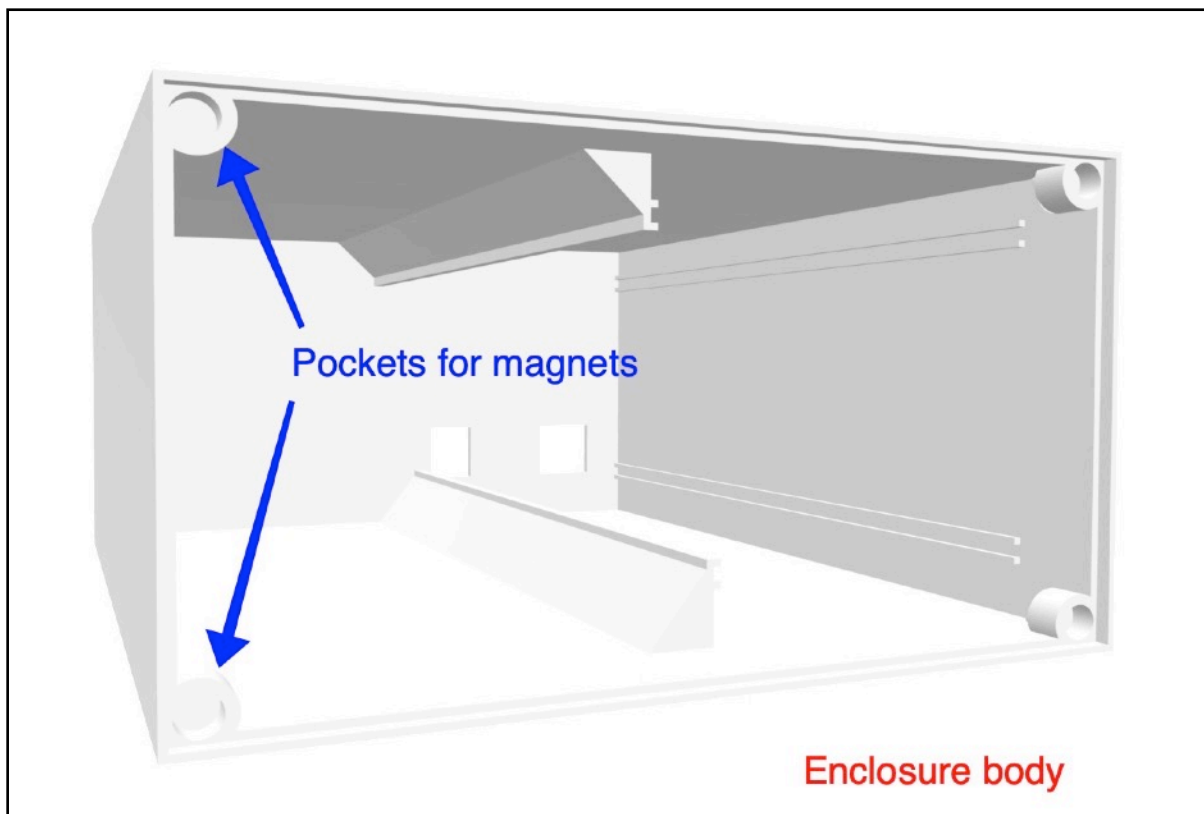
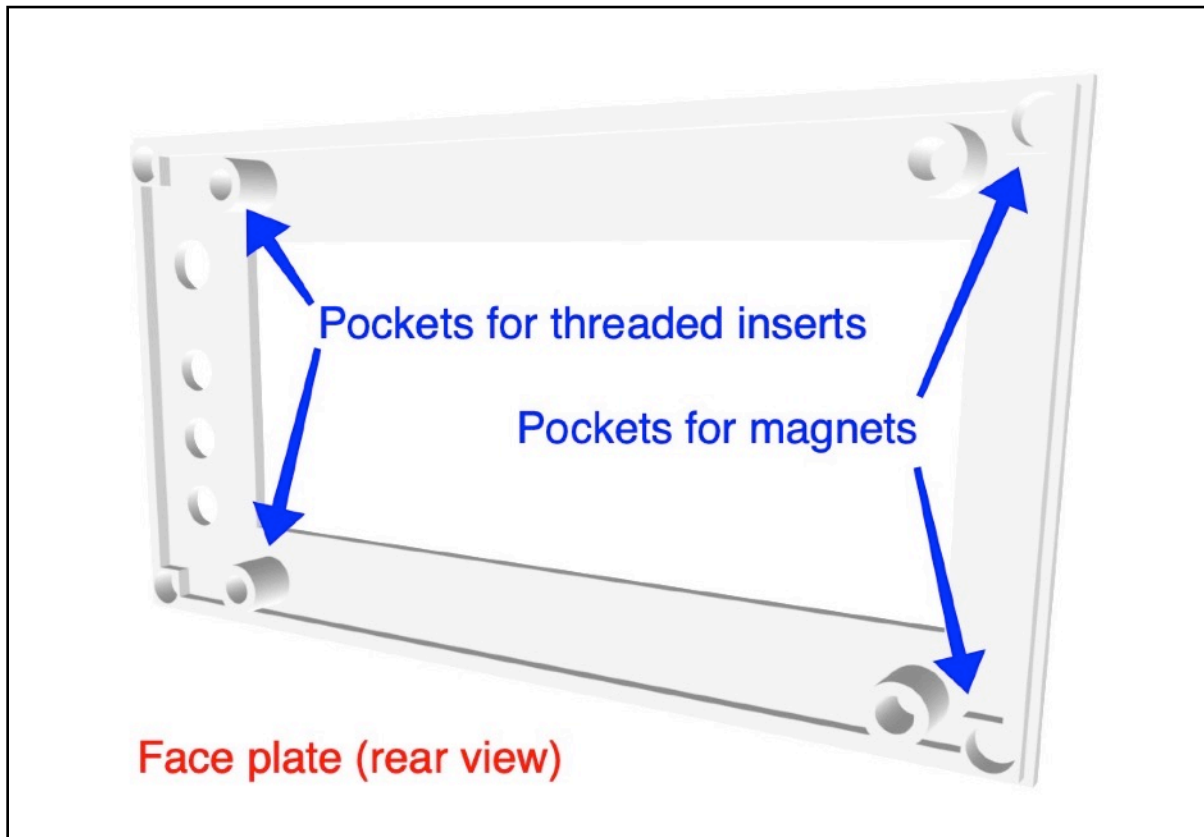


**AA7US 3D Printed Enclosure Build Notes
for LA3ZA Multi Face GPS Clock**



The enclosure was printed using approximately 194 grams of Bambu Lab PLA Matte filament with a 0.4mm nozzle and 0.20mm thick layers. The face plate was printed face down and the enclosure body printed on its rear (where the USB and power port are located). No supports were needed.

STL file names:

MF_GPS_Clock_Face_Plate.stl
MF_GPS_Clock_Body.stl

The upper PCB mounting slots accommodate a QRP Labs QLG1 GPS receiver and the lower PCB mounting slots with rear USB port openings fit a standard size Arduino Mega 2560.

The face plate is held to enclosure body using 5mm diameter x 3mm thick cylindrical hobby magnets. Magnets were glued into the pockets with cyanoacrylate adhesive (Super Glue).

<https://www.amazon.com/dp/B09BJX4P3W>

The display module is held to the rear of the face plate using M2.5 machine screws and heat-set threaded inserts. Pockets in the face plate are designed to accommodate the threaded inserts.

<https://www.amazon.com/dp/B0D41PW4GC>
<https://www.amazon.com/dp/B0DB453Q61>

3mm LED holders were used for the GPS receiver status LEDs.

<https://www.amazon.com/dp/B07WSM4V9B>

The GPS receiver and Arduino Mega 2560 are secured inside the enclosure in their respective slots using dabs of Gorilla Glue Clear Contact Adhesive.

<https://www.amazon.com/dp/B06X6JPZW1>