



CC-218 DIVERSITY

Design

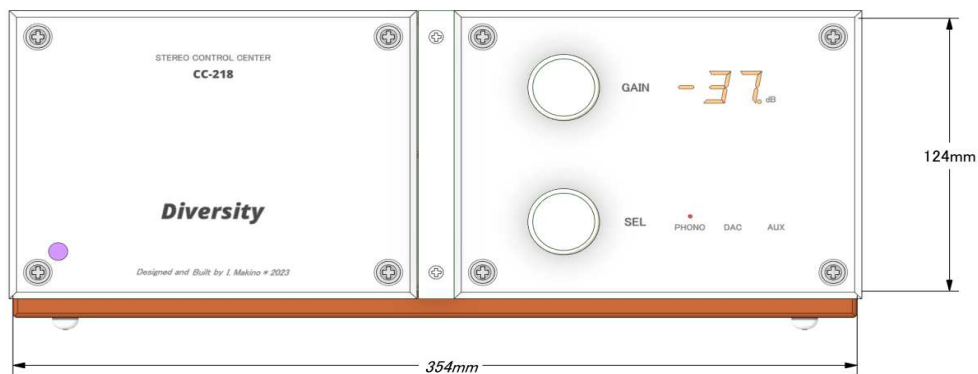
2023/06/26

Mechanical Design

Overall Design

Mechanical design follows the preceding conceptual and appearance designs.

It also follows that of MV-217 X'tal.



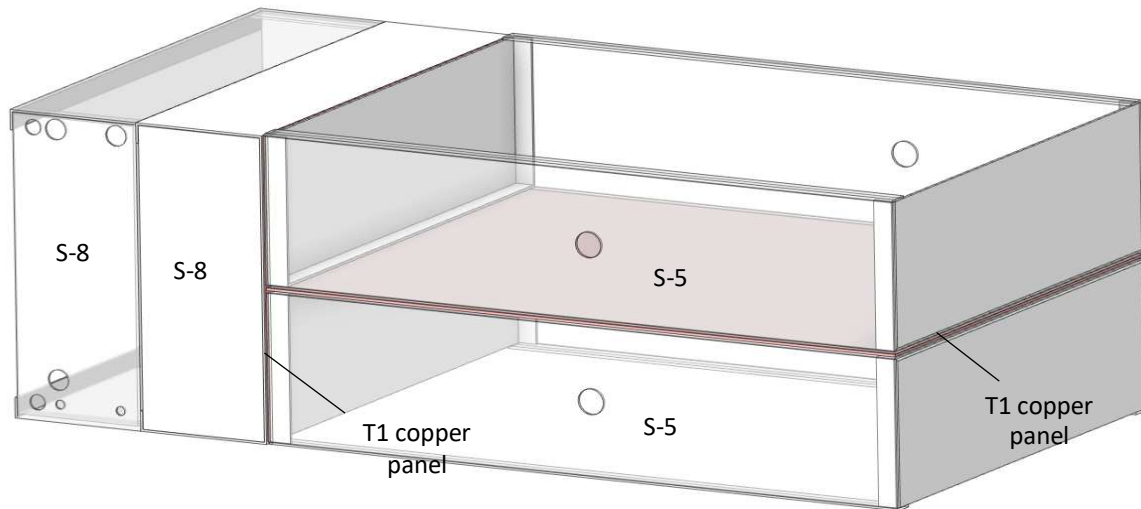
Contents

[Chassis Design](#)[Front Panel Design](#)[Panel Mount Devices](#)[Back Panel Design](#)[Fastening Chassis Each Other](#)[Attaching Outer Panels](#)

Chassis Design

The enclosure of CC-218 consists of 4 aluminum chassis: LEAD S-5 x2, LEAD S-8 x2.

This reduces the work hours to build the enclosure. It is necessary to save time and my physical strength.

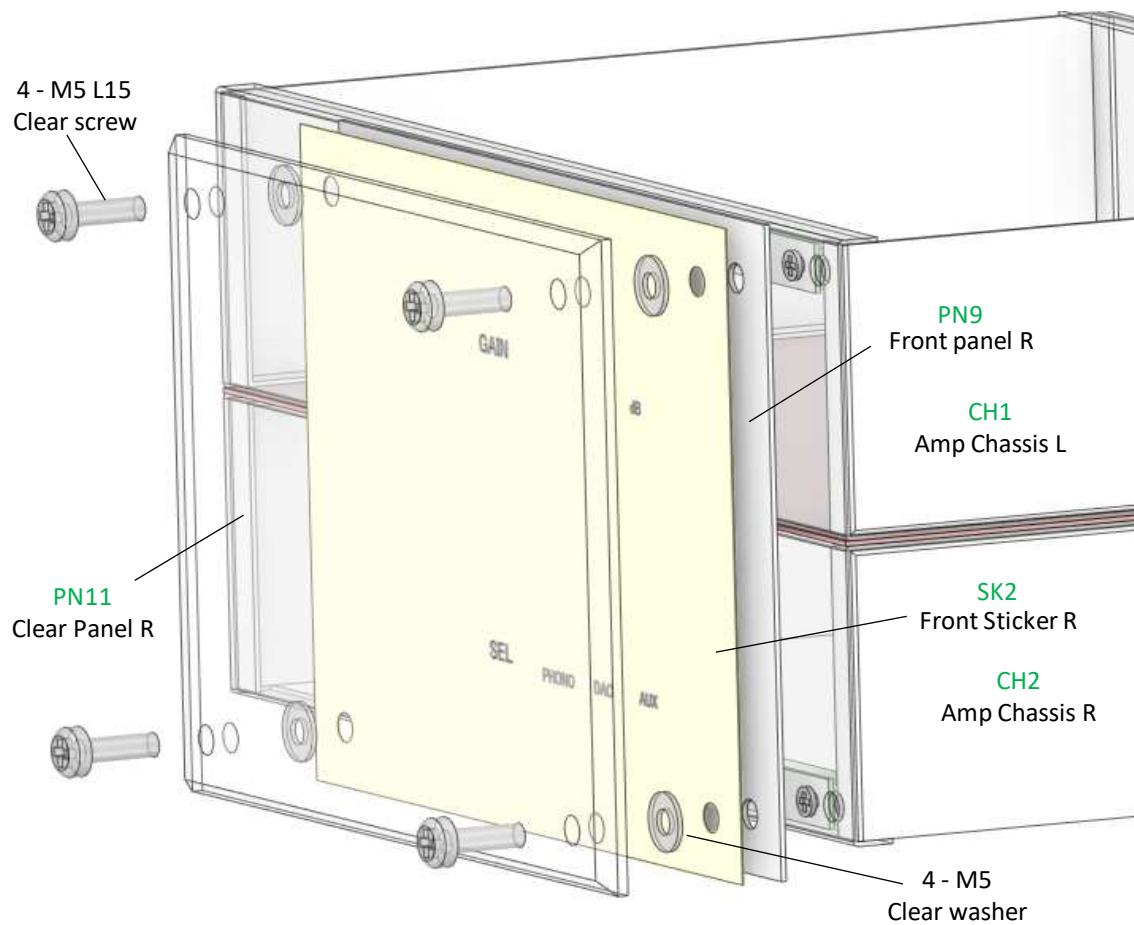


Copper panels are inserted between chassis for deadening.

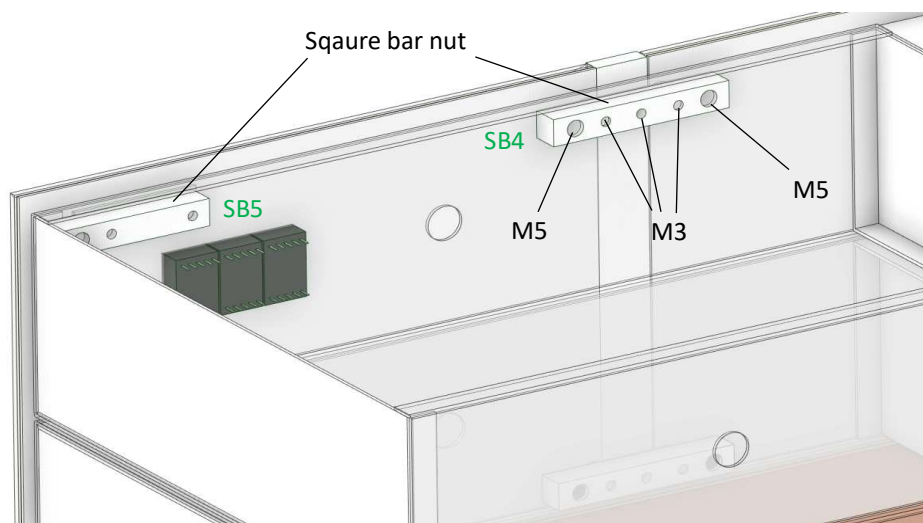
Front Panel Design

* Front panel construction

- * The stickers are affixed on Front Panels.
- * Front Panels and Clear Panels are attached with the same clear screws.
- * The nuts for the clear screws are aluminum square bars, and they are fixed on the chassis.

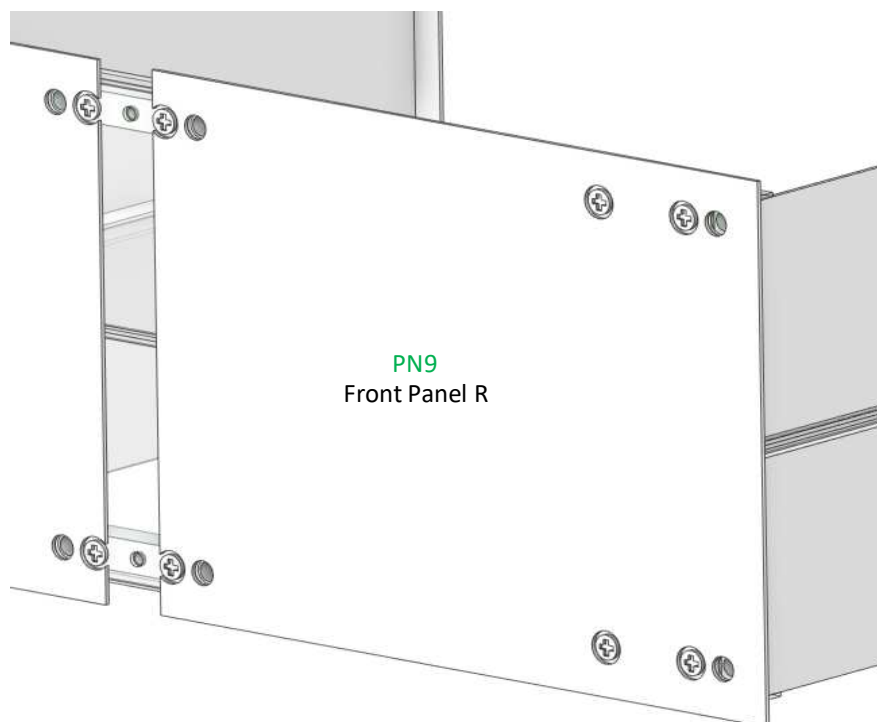
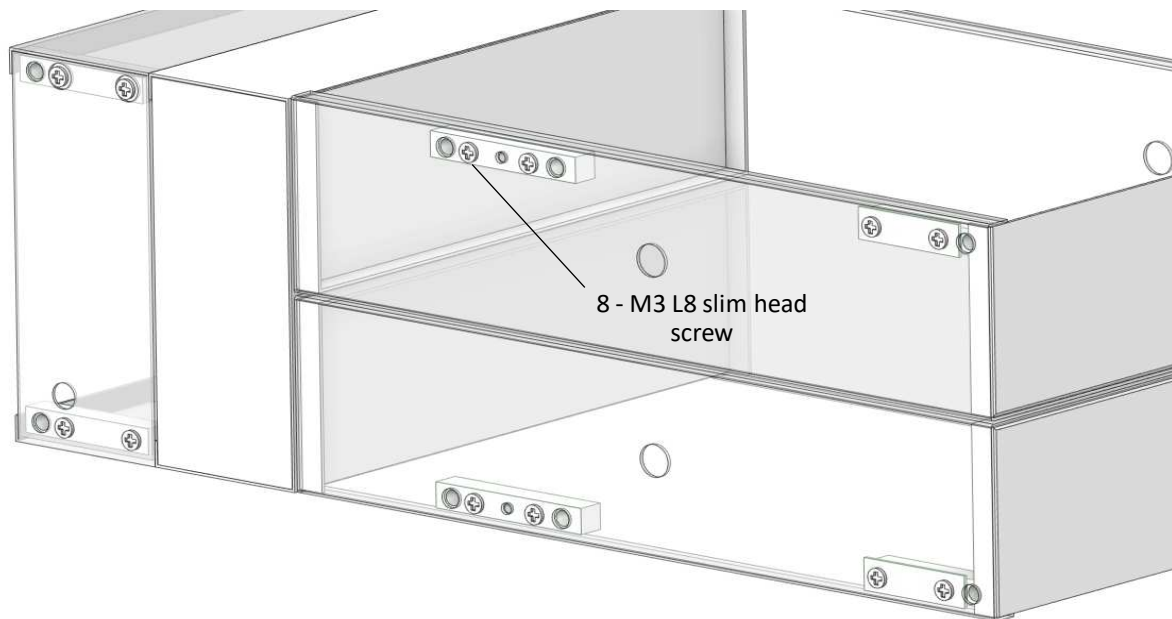


* Square bar nuts to mate w/ screws



*** Hiding screw heads**

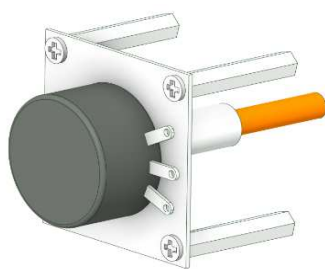
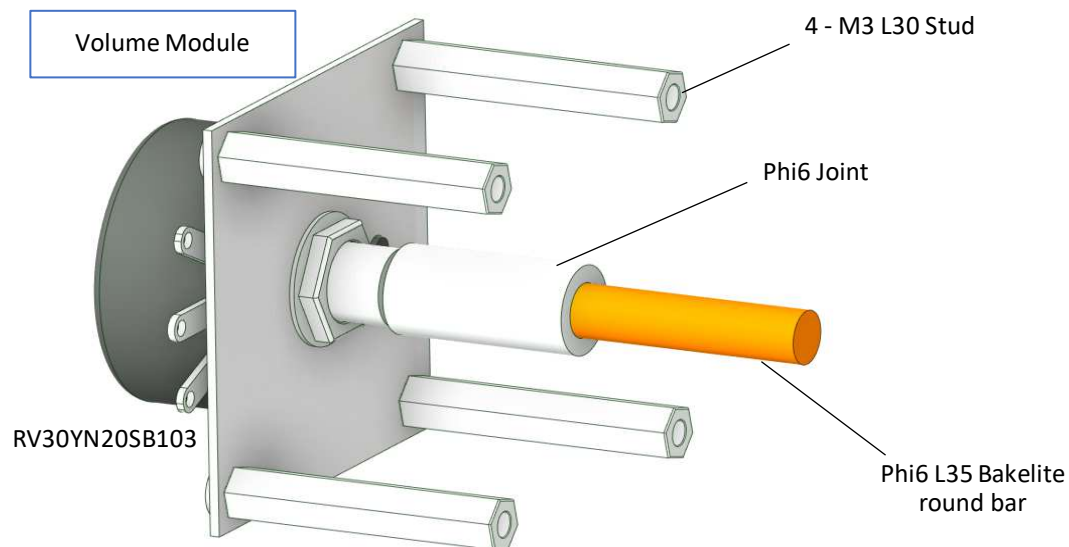
- (1) Slim-head screws are used to fix the square bar nuts.
So, the Front Panel and the screw heads form flush surface.
- (2) The stickers cover the screw heads.



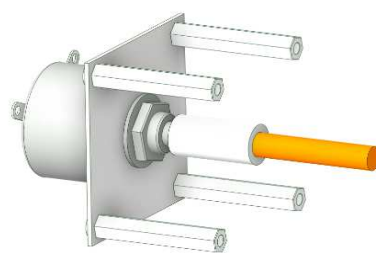
Panel Mount Devices

* VR and Rotary SW

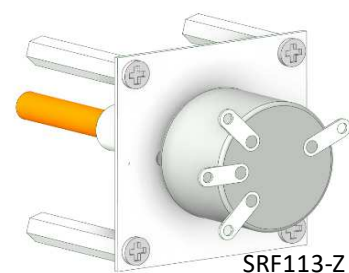
Both VR and rotary SW are mounted in the same way as MV-217. The same attachment is utilized.



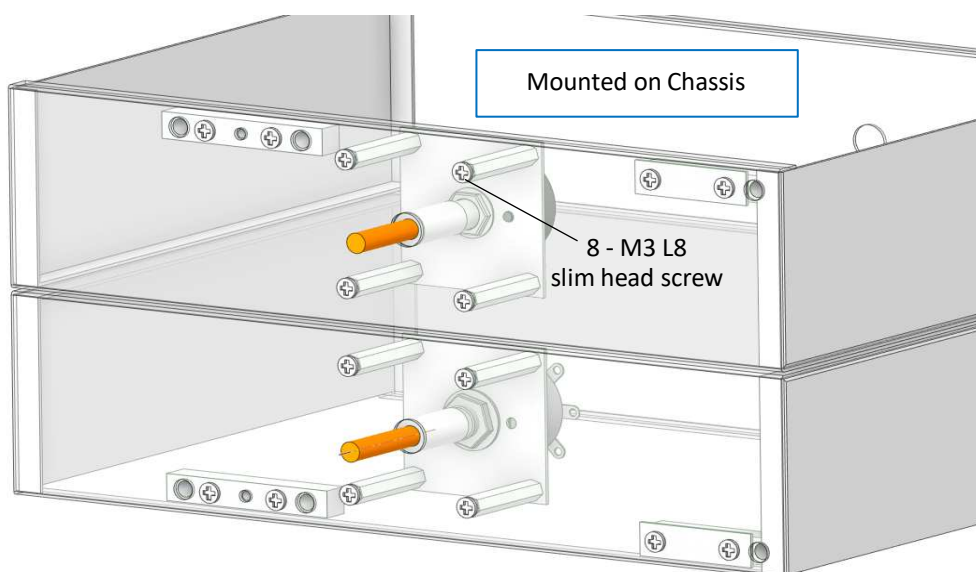
Volume Module

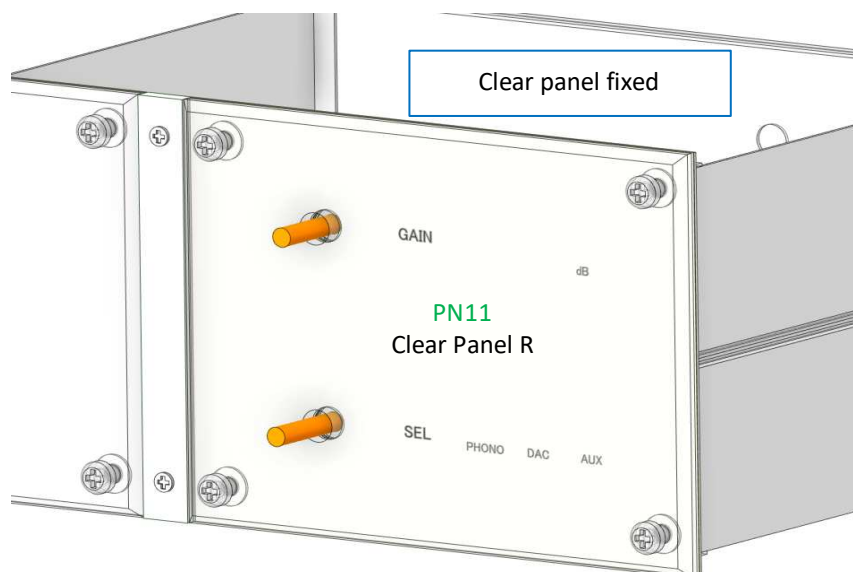
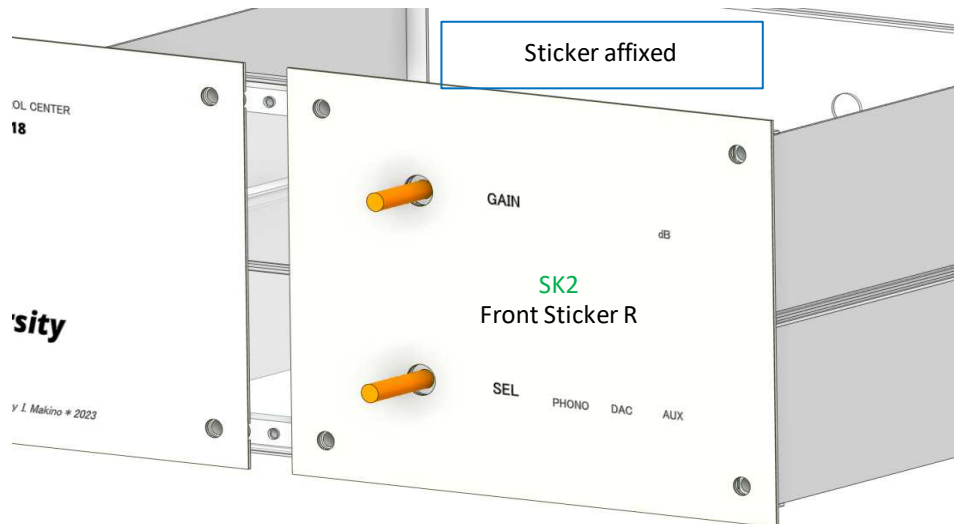
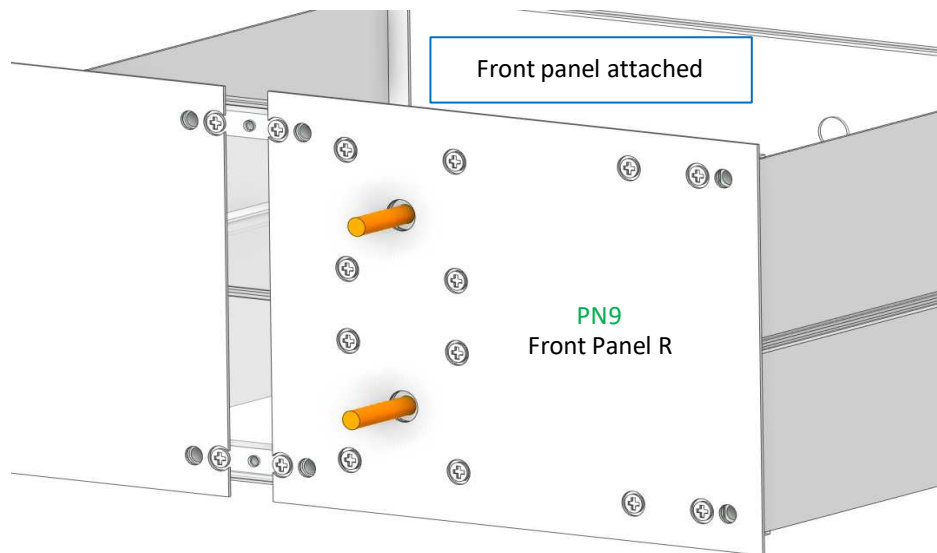


Rotary SW Module

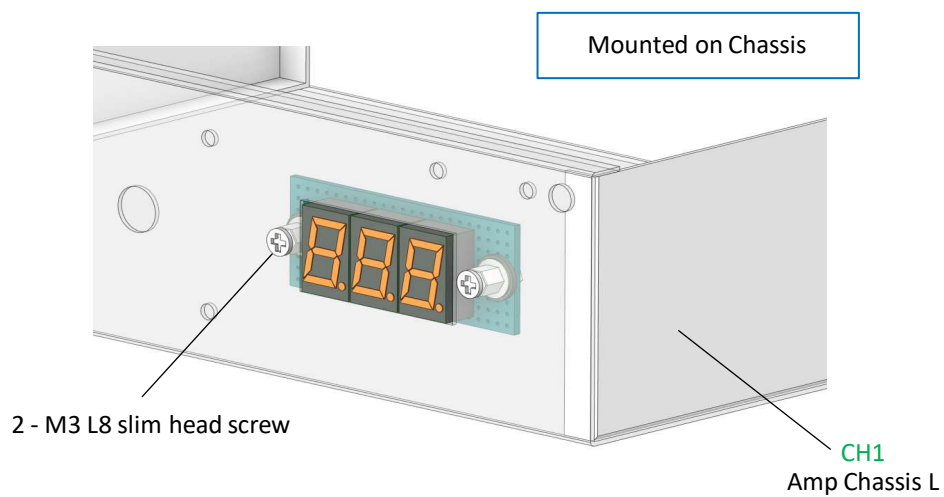
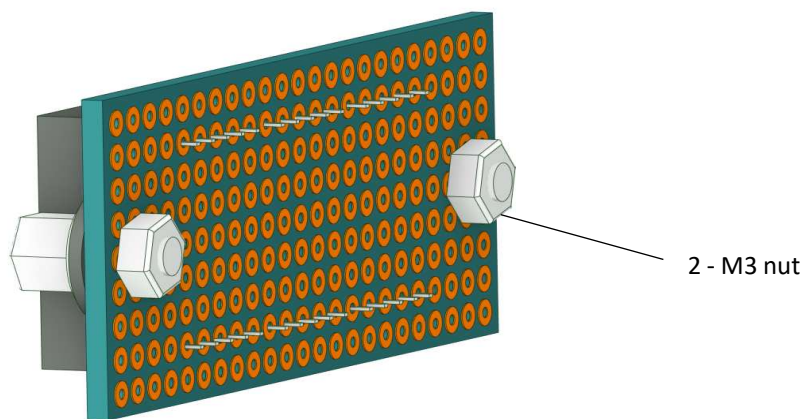
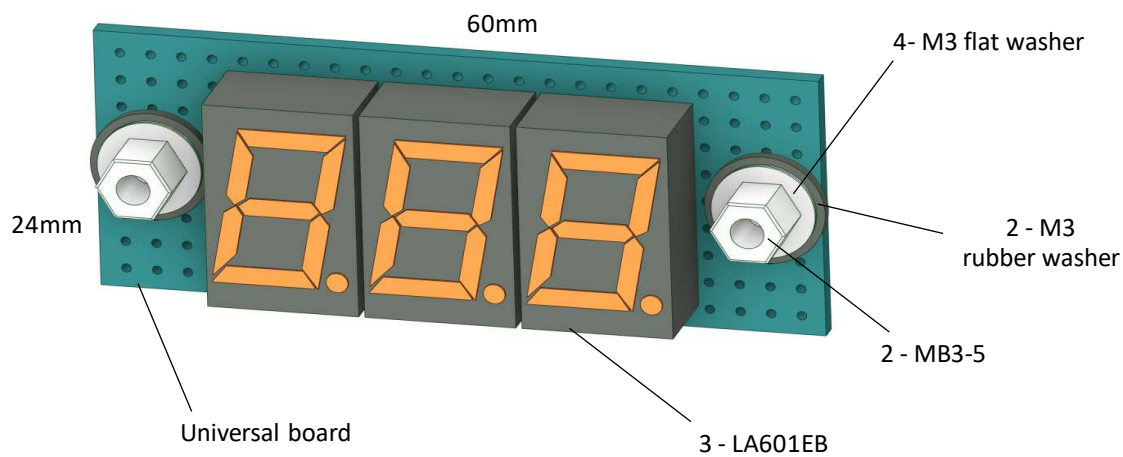


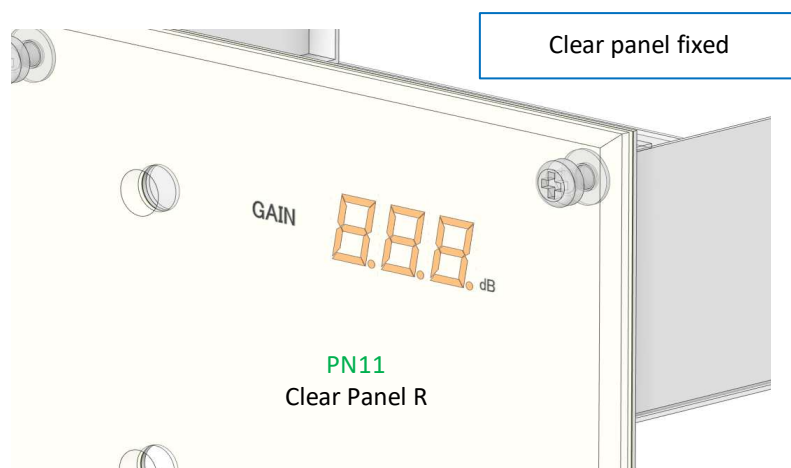
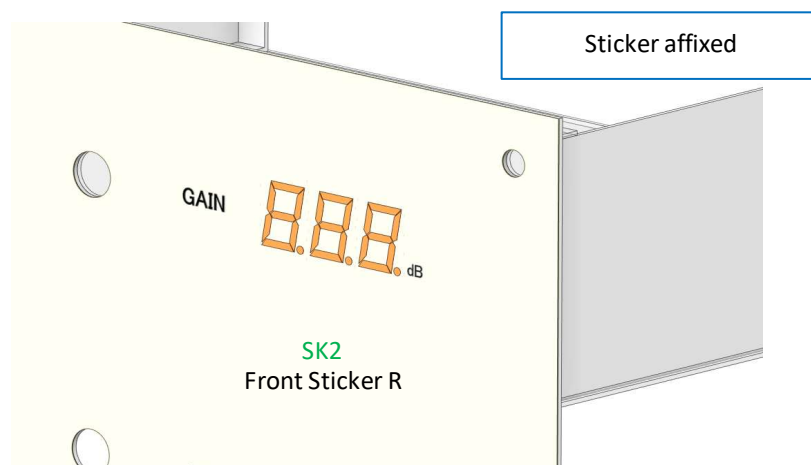
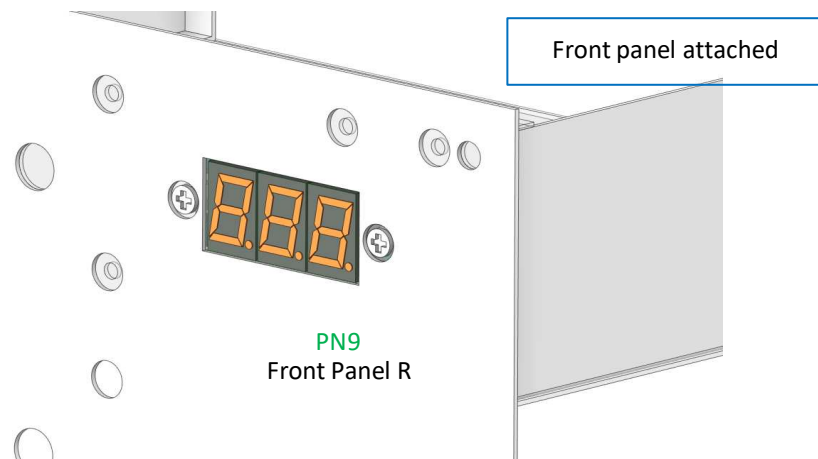
Rotary SW Module



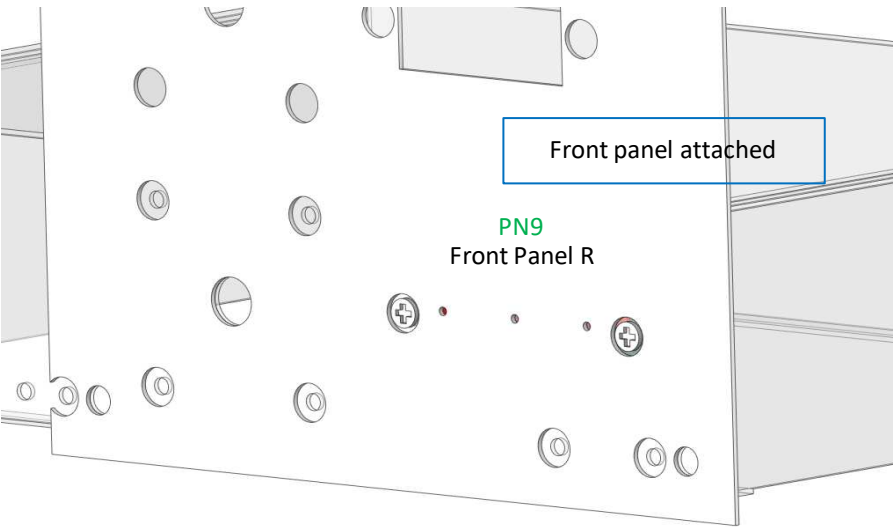
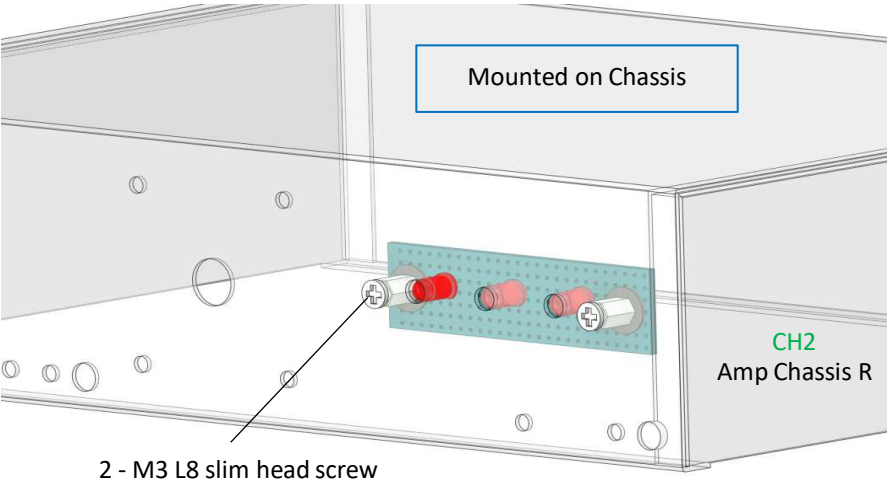
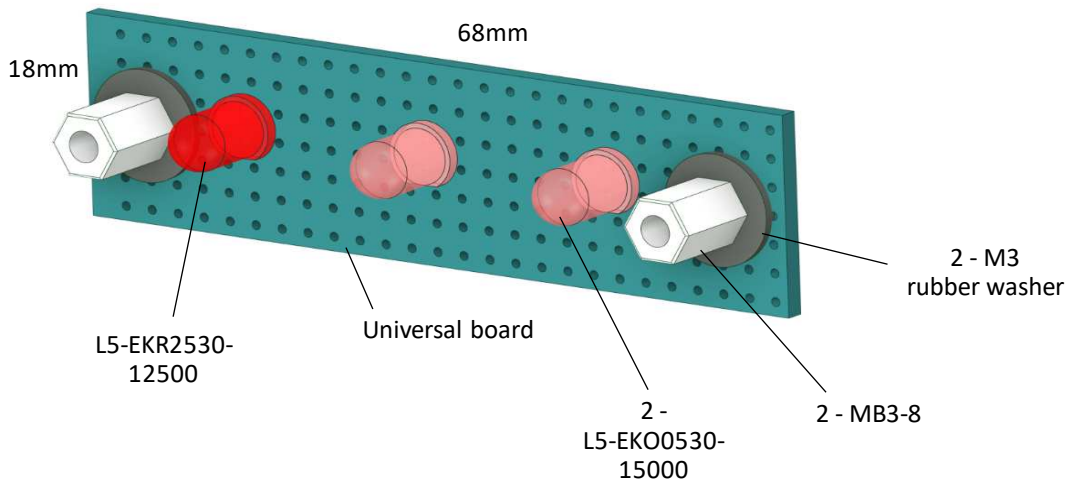


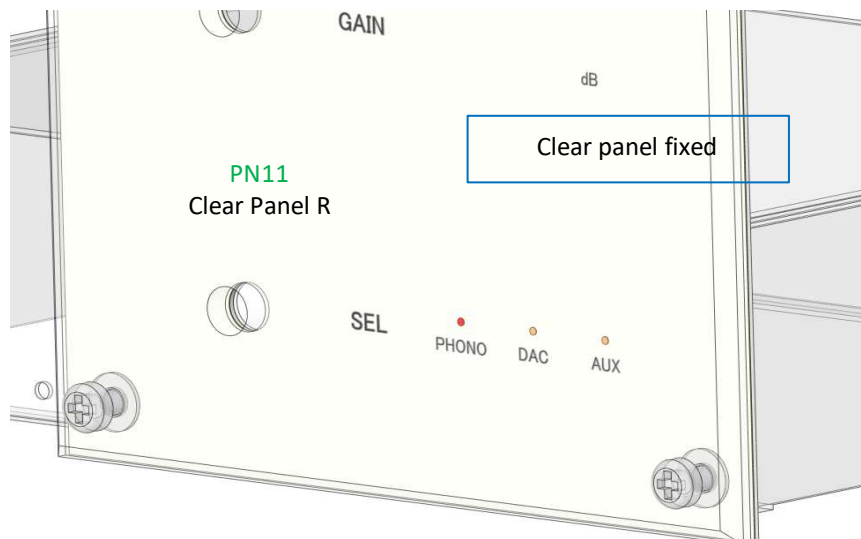
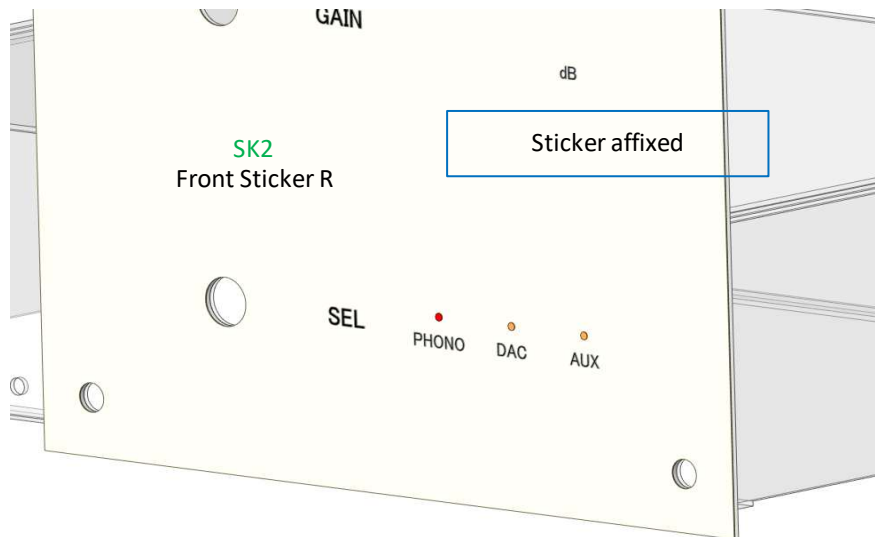
* 7-seg LED Module





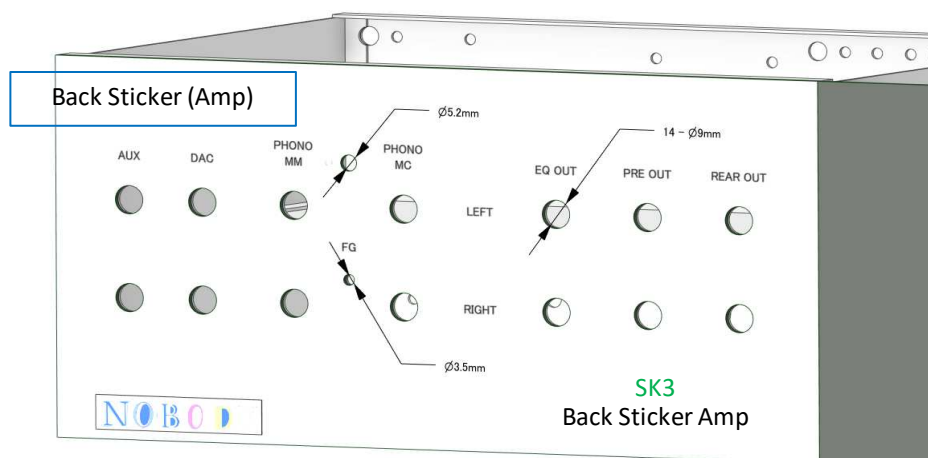
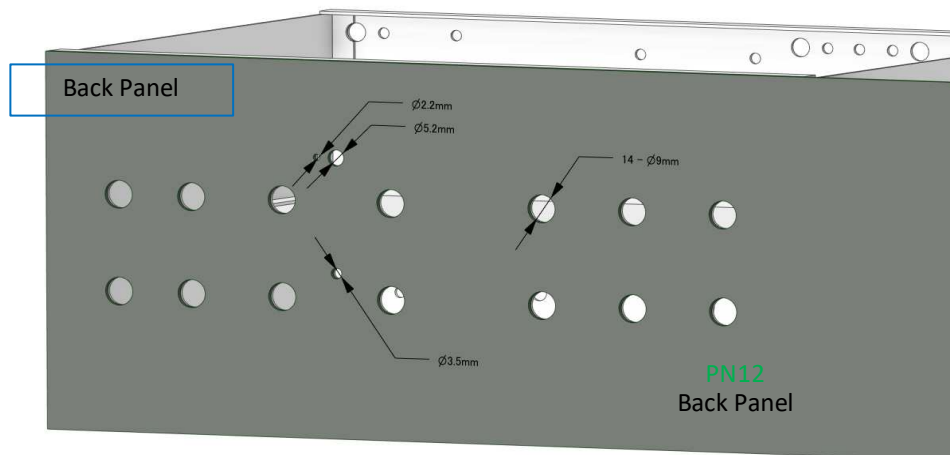
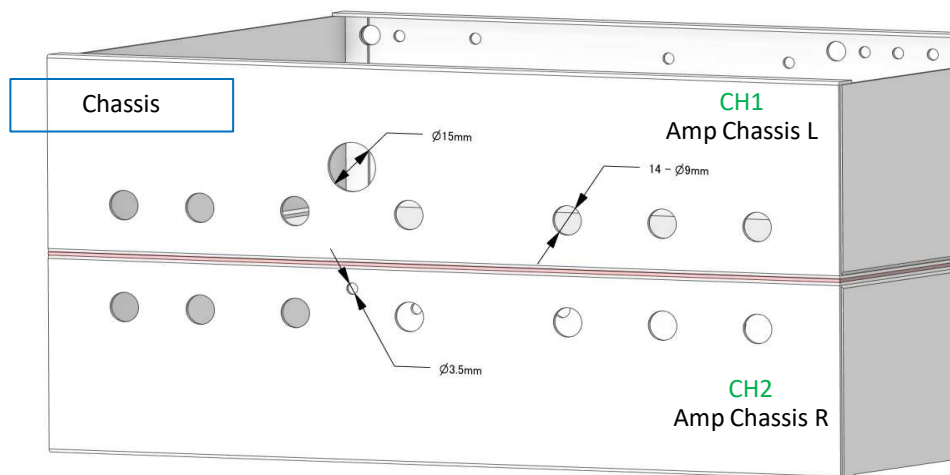
*** Indicator Module**

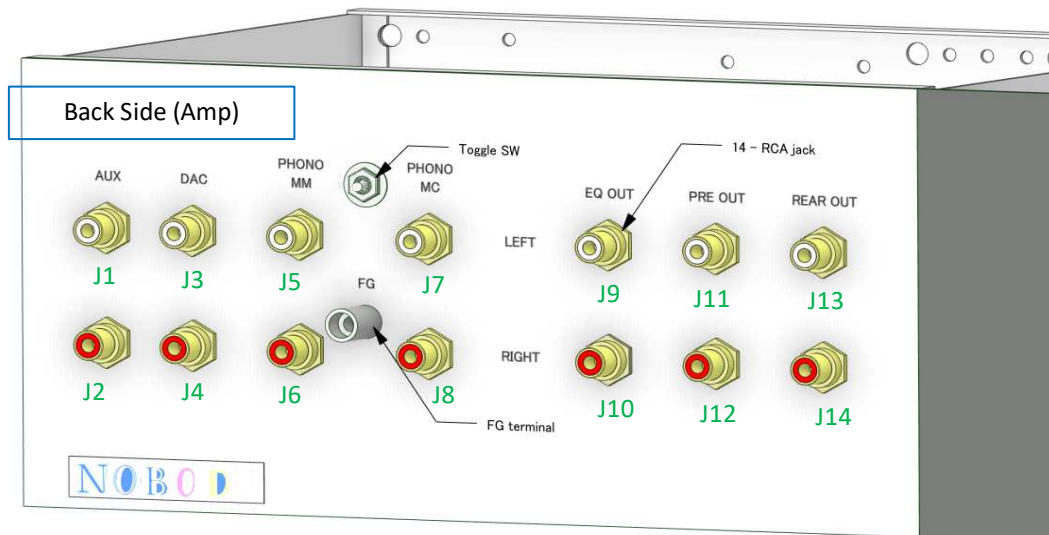




Back Panel Design

* Connectors and SW in the Amp part of Back Panel

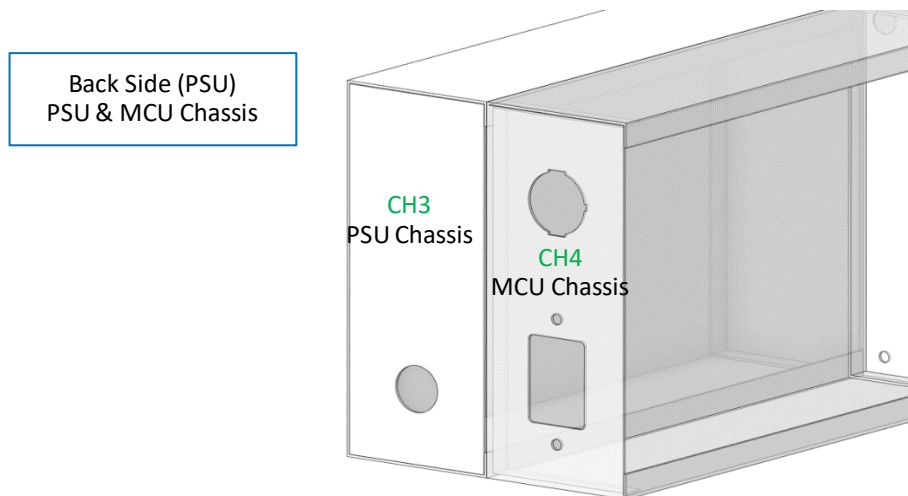




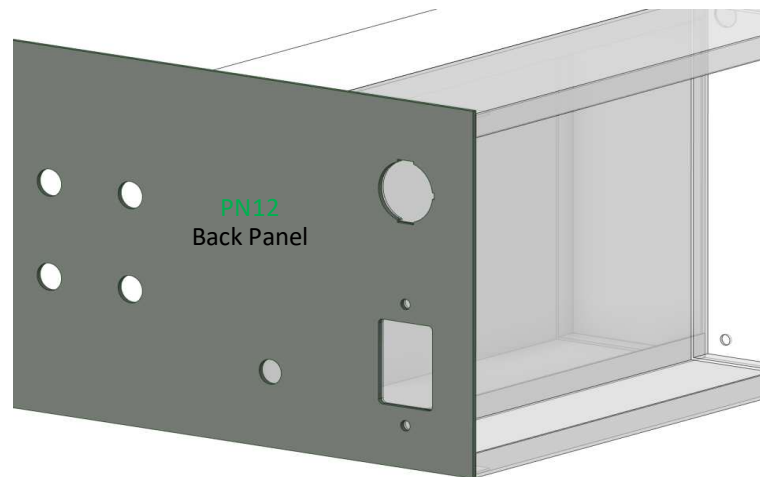
J1,3,5,7,9,11,13: RJ-2000B-T/W
Toggle SW: MS-600K-B

J2,4,6,8,10,12,14: RJ-2000B-T/R
FG terminal: T10

*** Connectors and SW in the PSU part of Back Panel**



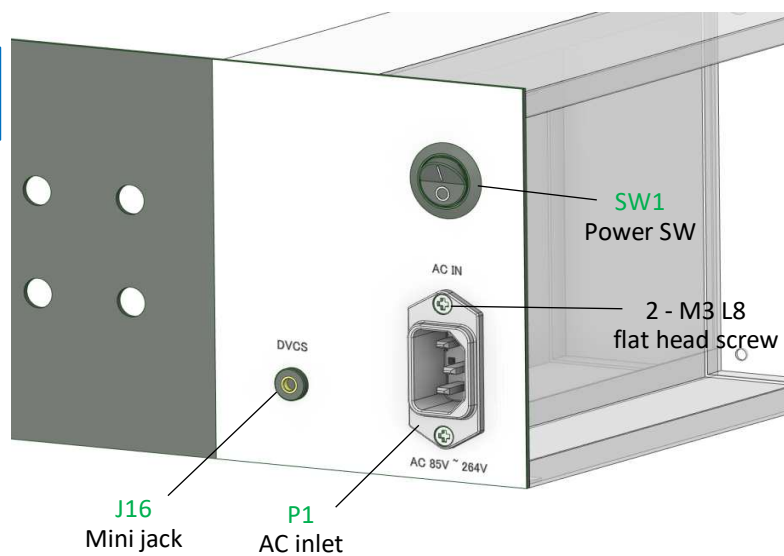
Back Side (PSU)
Back Panel



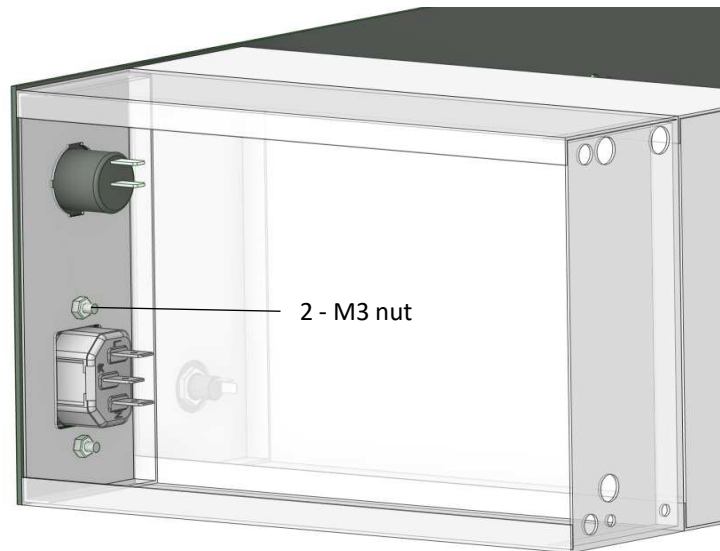
Back Side (PSU)
Sticker



Back Side (PSU)
Parts mounted



Back Side (PSU)
Parts mounted



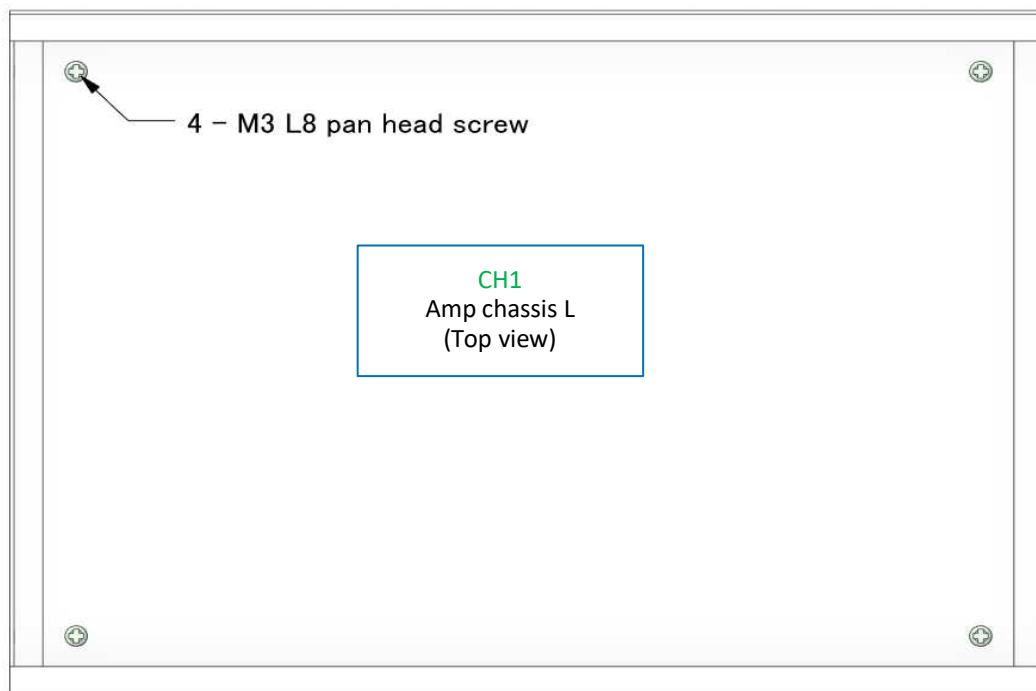
AC inlet: 6100-3

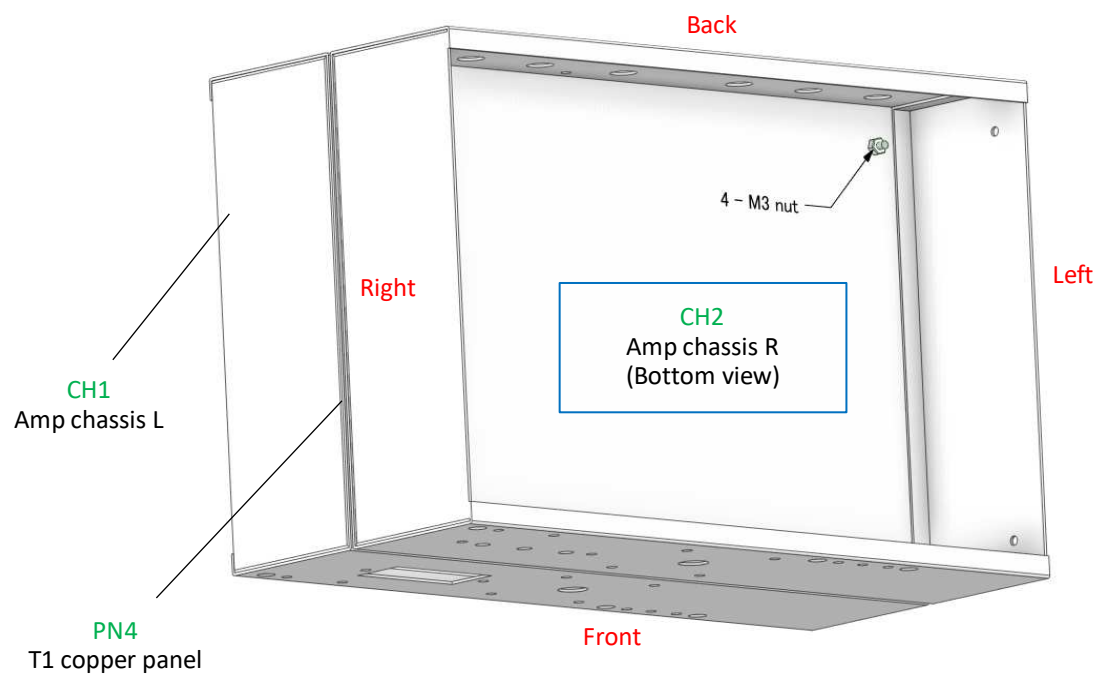
Power SW: 793-2563

Mini jack: MJ-073H-R

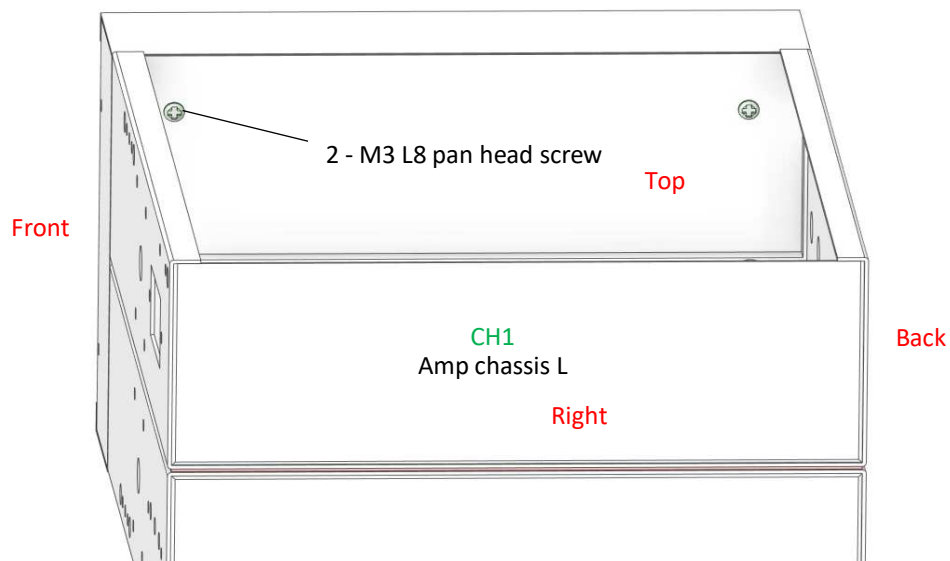
Fastening Chassis Each Other

* Amp Chassis

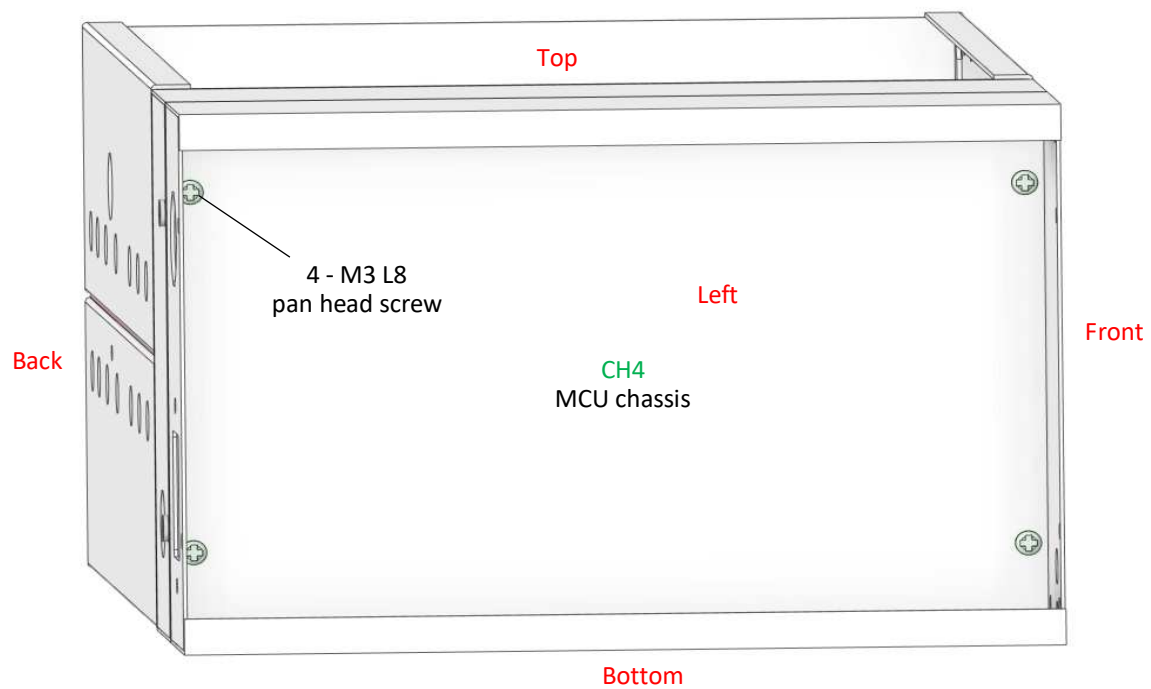
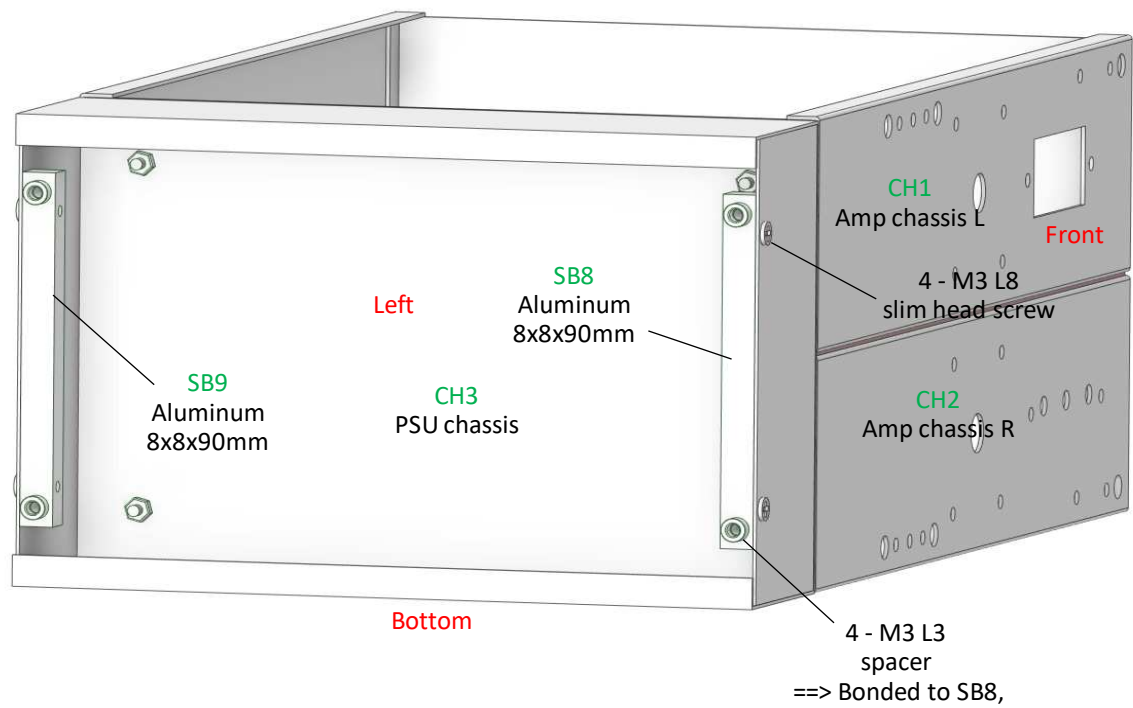




*** PSU (Power Supply Unit) Chassis**

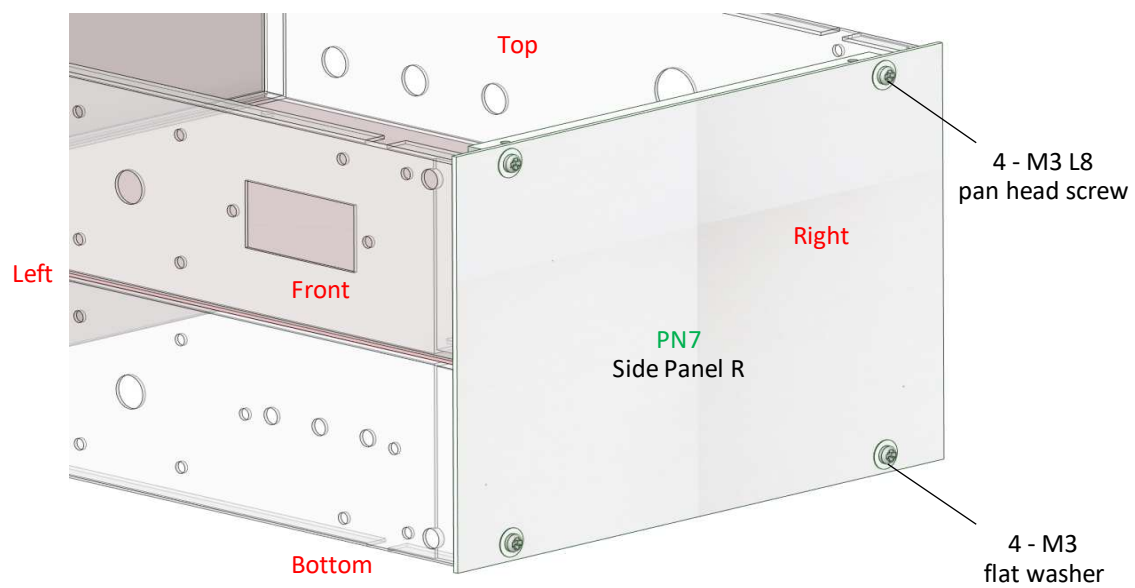
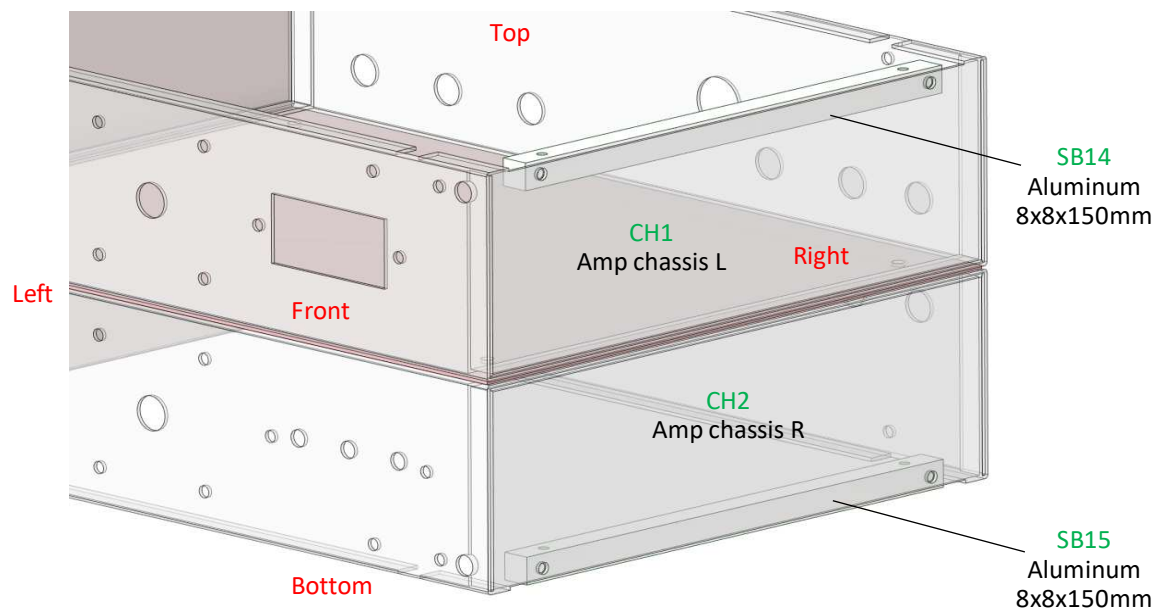


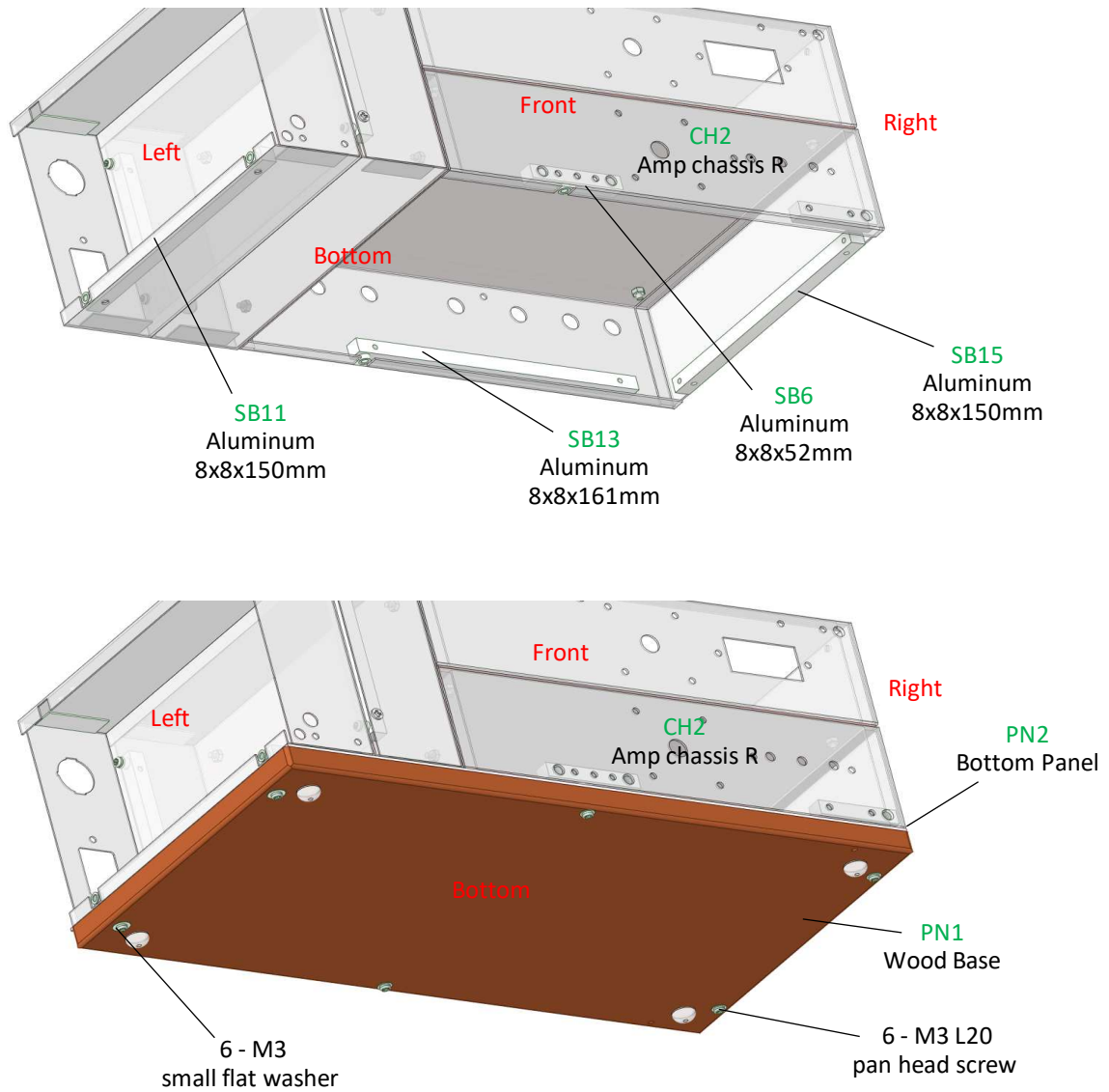


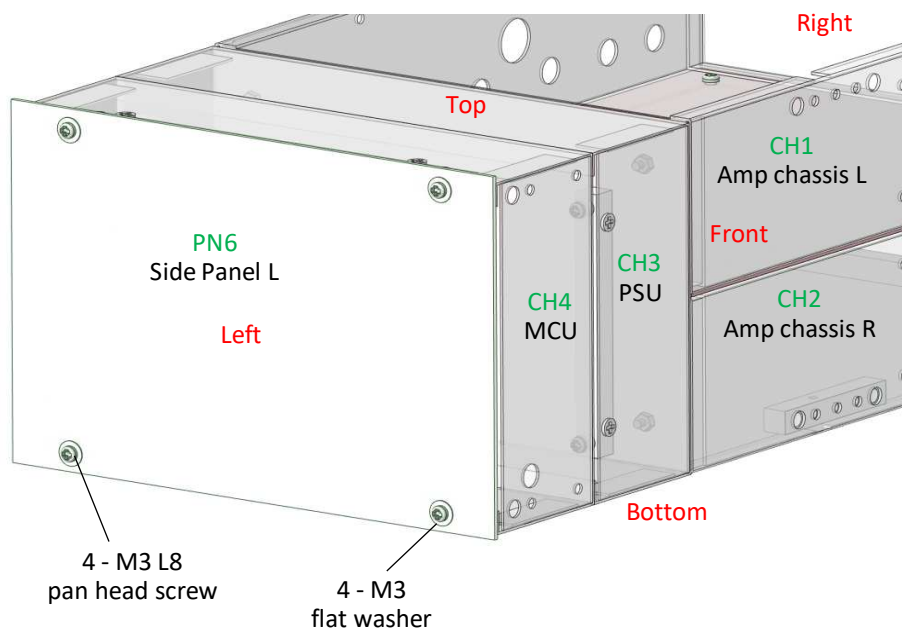
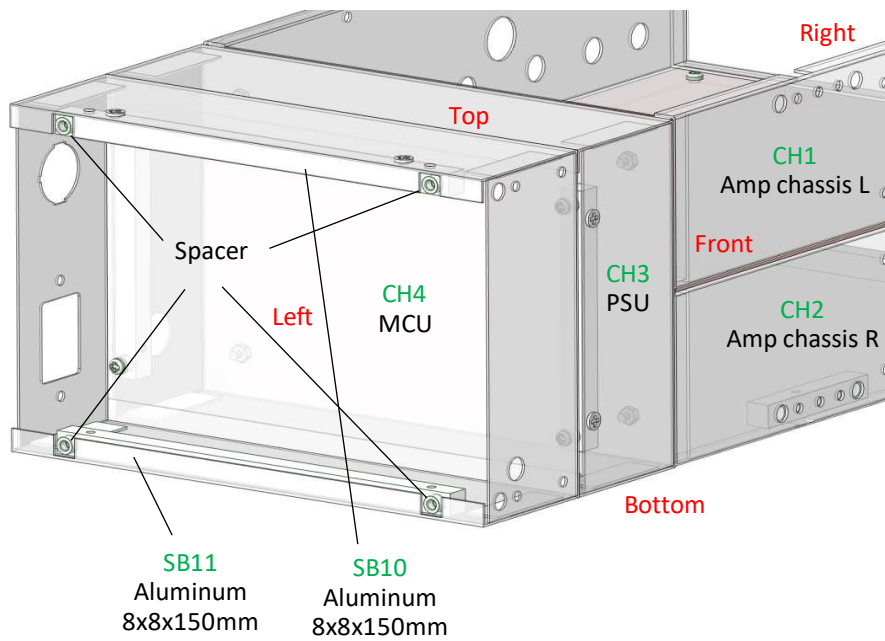
*** MCU (Micro-controller Unit) Chassis**

Attaching Outer Panels

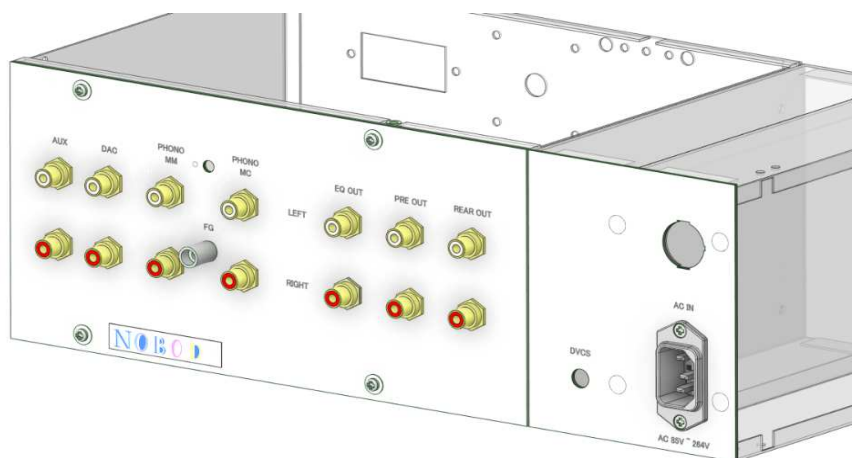
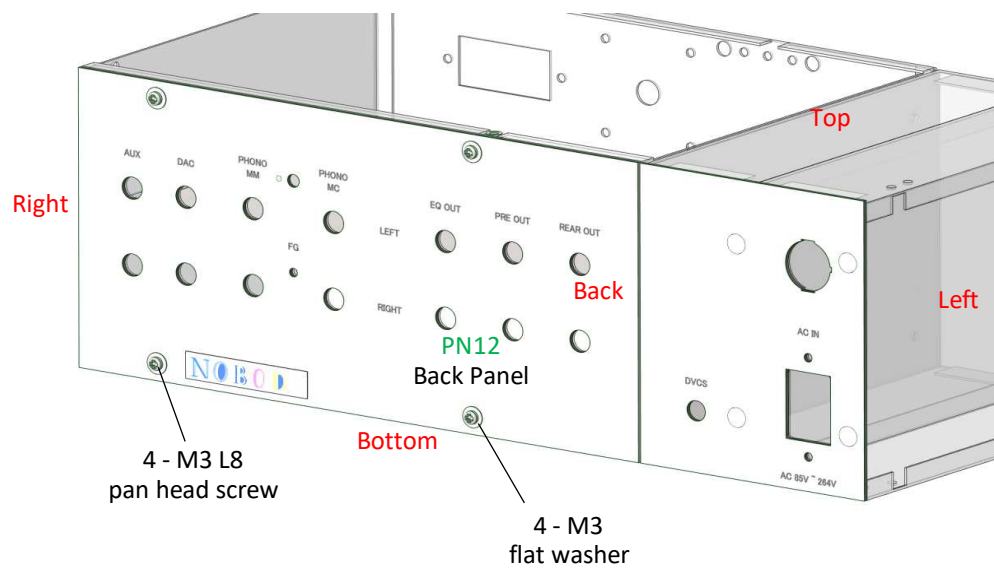
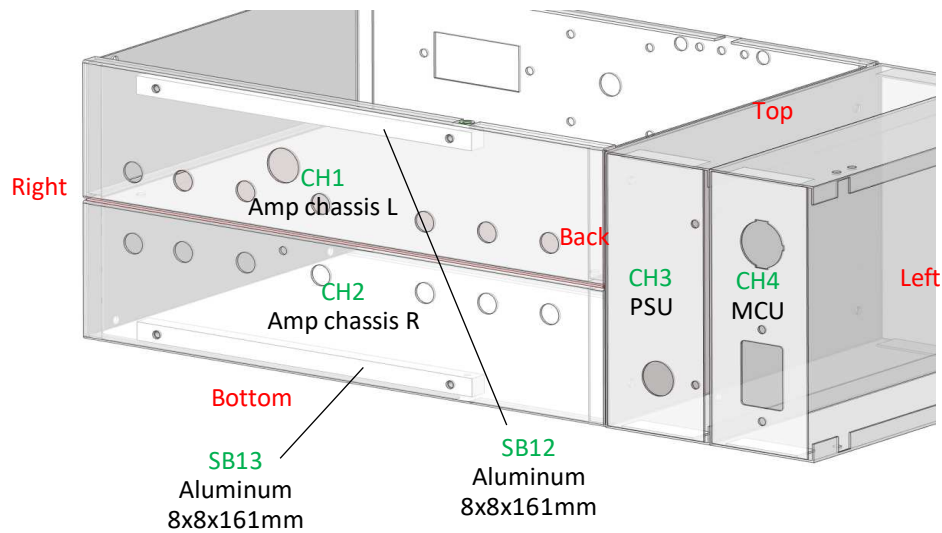
* Side Panel R



*** Bottom Panel**

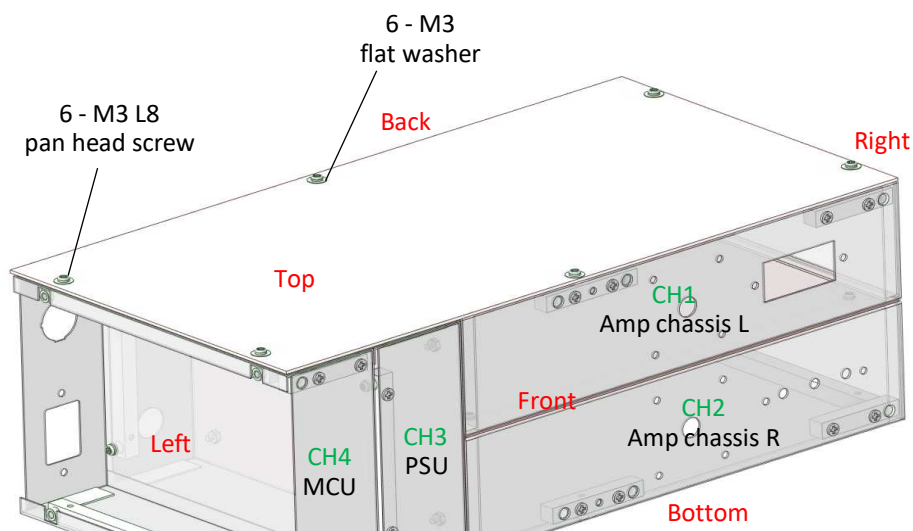
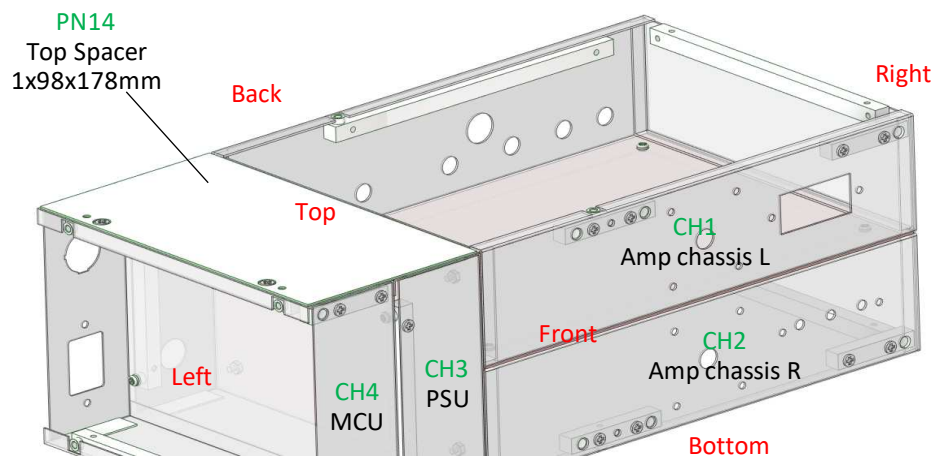
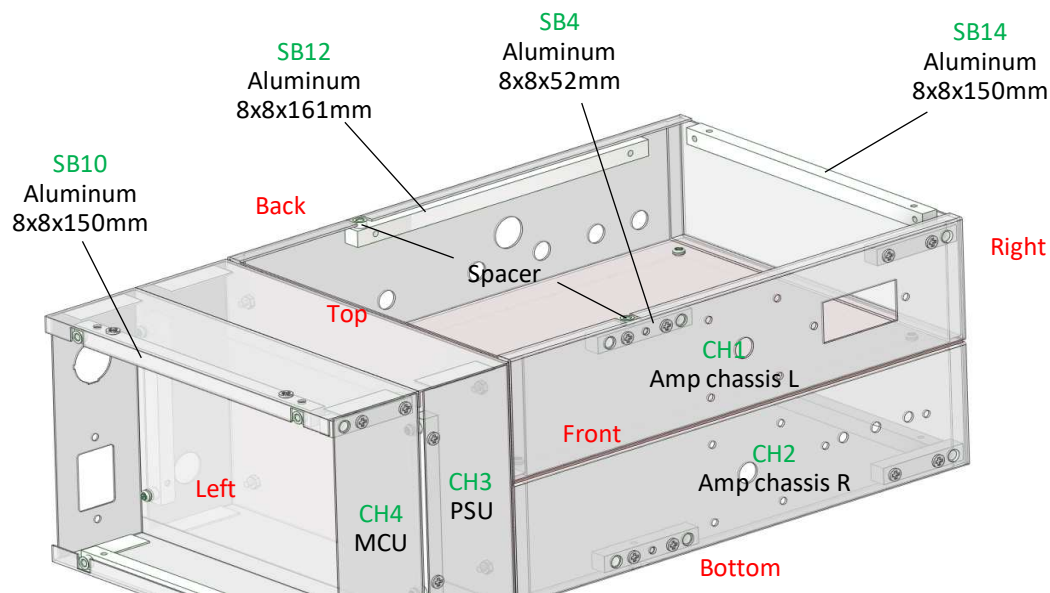
*** Side Panel L**

* Back Panel



RCA jacks, FG terminal
and AC inlet fasten
Back Panel and chassis
together

* Top Panel



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