

# Mega Acrylic Case

This clear hard acrylic enclosure protects the Arduino Mega, or boards with a similar form factor, while still providing access to all pins and sockets, and, as the enclosure is clear, the on-board LED's are still visible. Ideal for prototyping as it protects against jumper leads accidentally touching the exposed on-board circuitry.

**Table 1: Mega Acrylic Case Parts List**

Part	Qty	Material	Weight [g]	Description
A1	1	Clear acrylic	18.38	Top plate
A2	1	Clear acrylic	22.22	Bottom plate
A3	1	Clear acrylic	2.50	End plate (with cut-outs for Power / USB sockets)
A4	1	Clear acrylic	3.06	End plate (no cut-outs)
A5	2	Clear acrylic	5.41	Side plate
F1	4	Chrome plated steel	1.21	M3 × 25 millimetre [mm] machine screw
F2	4	Chrome plated steel	0.41	M3 × 6 mm machine screw
F3	8	Chrome plated steel	0.33	M3 nut
F4	4	Brass	0.92	8 mm stand-off

## Specifications

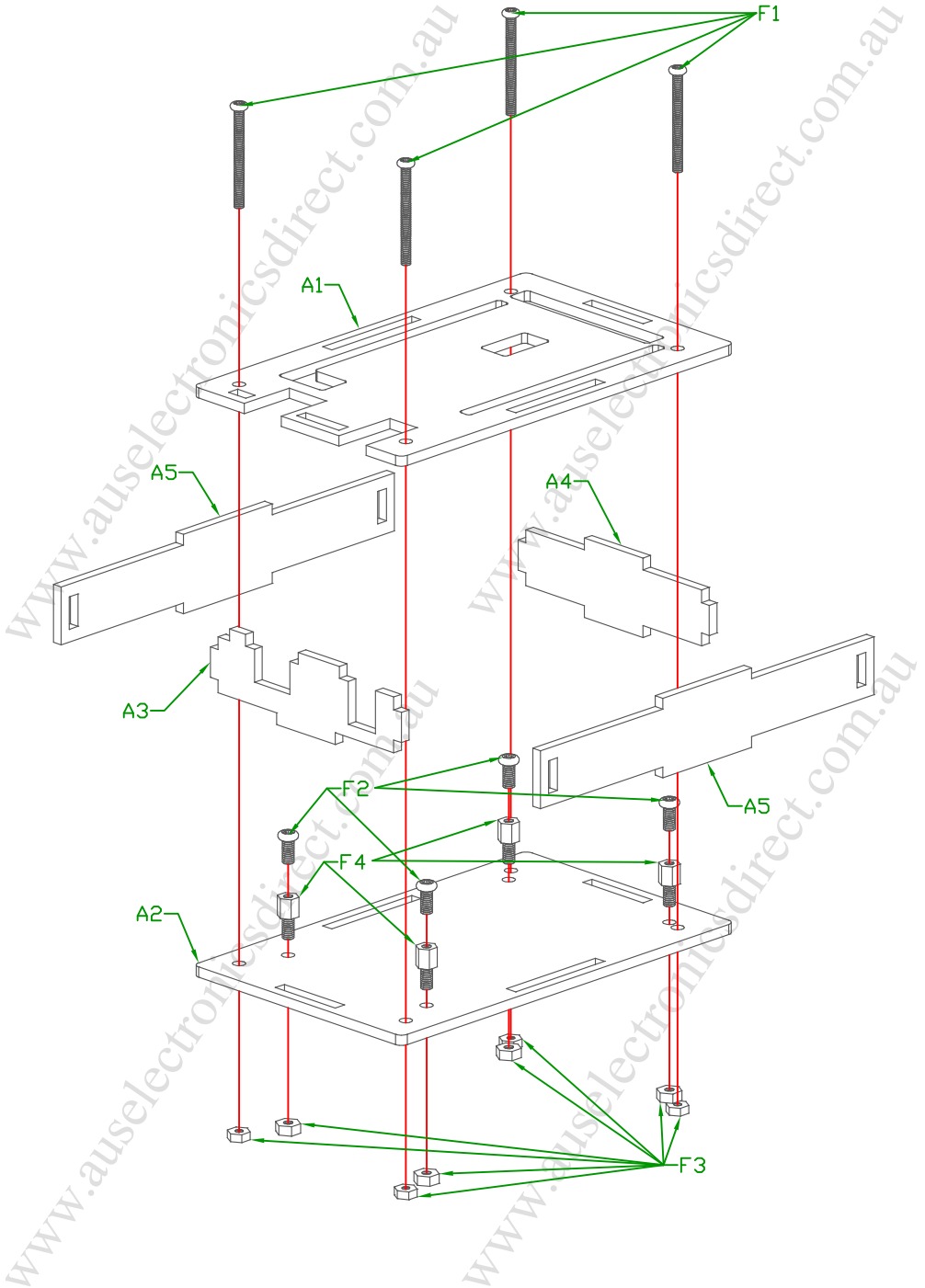
External Dimensions ( H × W × D ): 70.6 × 112.7 × 20 millimetres [mm]  
Internal Dimensions ( H × W × D ): 59.5 × 101.6 × 14.8 mm  
Weight (total): 69.59 grams [g]

## Assembly

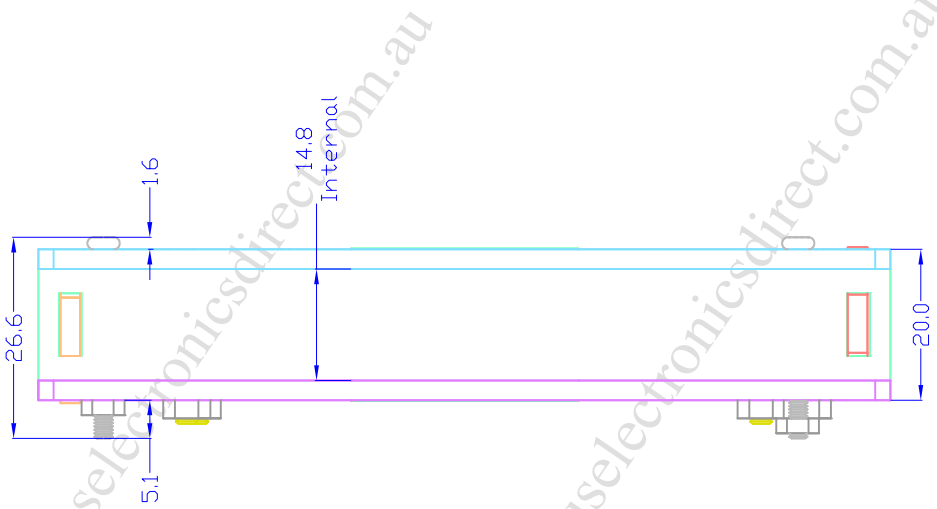
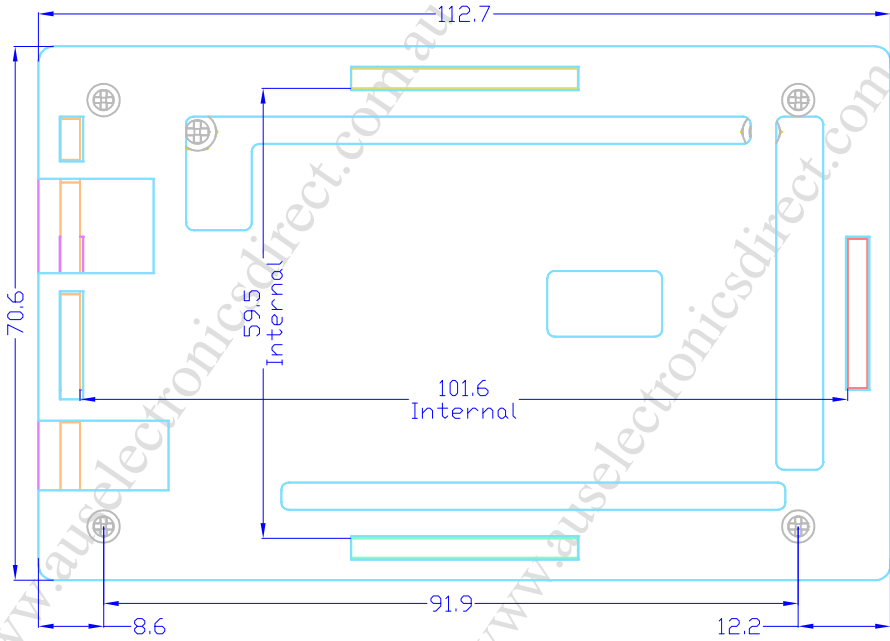
*Note! The acrylic material used for the case can be damaged by overtightening the screws. Screws should only be "finger tight" (Only holding the screwdriver handle with the tips of the fingers). A small dab of nail polish enamel (or similar) on the threads can be used to stop the nuts from becoming loose.*

1. Screw the 4 brass stand-offs {F4} to the underside of the Mega board using the M3 × 6 mm machine screws {F2}.
2. Orient the bottom plate {A2} to match the holes with the threaded end of the stand-offs, and attach the Mega using 4 M3 nuts {F3}.
3. Insert the tabs of the end plates {A3, A4} and the 2 side plates {A5} into the slots of the bottom plate.
4. Orient the top plate so the cut outs match the USB and power sockets of the Mega, and fit the top plate so the slots match the tabs of the side and end plates.
5. Insert the M3 × 25 mm machine screws {F1} in the holes in the top plate, and through the holes in the bottom plate.
6. Attach the 4 × M3 nuts {F3} to the screw threads protruding through the bottom plate. Because the holes at the bottom right for the stand-off and the top plate screw are close together, the nut for the top plate screw will tighten up onto the nut of the stand-off.

# Mega Acrylic Case...Assembly



# Mega Acrylic Case - Dimensions #1



## Mega Acrylic Case - Dimensions #2

