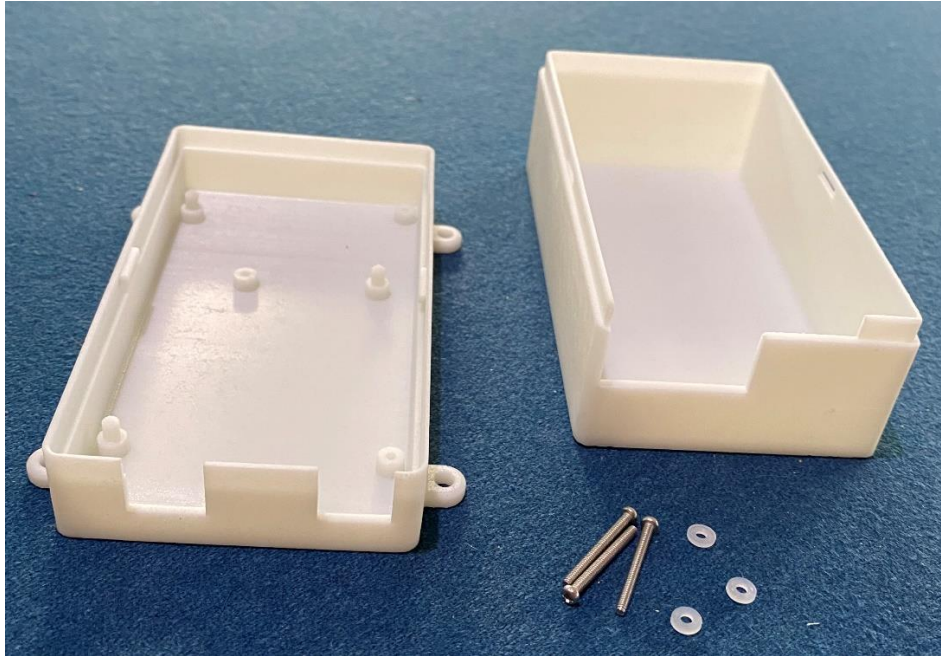


JTElectronics Arduino

Uno and MEGA2560 Compatible Case

Model: JTECASE1



The JTECASE1 is a plastic resin case for your Arduino Uno and Mega2560 projects to keep them securely mounted and protected from contact with other objects. Unlike other available cases, the JTECASE1 has room for up to two additional shields stacked on top of the microcontroller shield. Once your shields are mounted inside the case, the two halves of the case system simply snap together and can be separated if needed by squeezing the sides of the top half to release the catches.

There are cutouts on one end for easy access to your bottom microcontroller shield USB and power connectors. If you need access to other areas of the shields you can easily cut, drill, or file out areas of the plastic case as required.

The JTECASE1 has six internal posts for the bottom microcontroller shield to sit on – three of these posts have pins protruding upwards to correctly locate the bottom shield, and three of the posts are drilled to accept M2 mounting bolts to secure the shields into the case. The JTECASE1 is supplied with three M2 bolts for mounting a MEGA2560 type shields, and Uno type shields will use just two of the bolts for fixing. These M2 bolts are great for fixing the bottom two shields firmly into the case. If using a third shield, the top of the case will hold it firmly onto the middle shield.

There are four feet on the bottom half of the case with M3.5 holes so you can firmly mount the case to a surface as required.

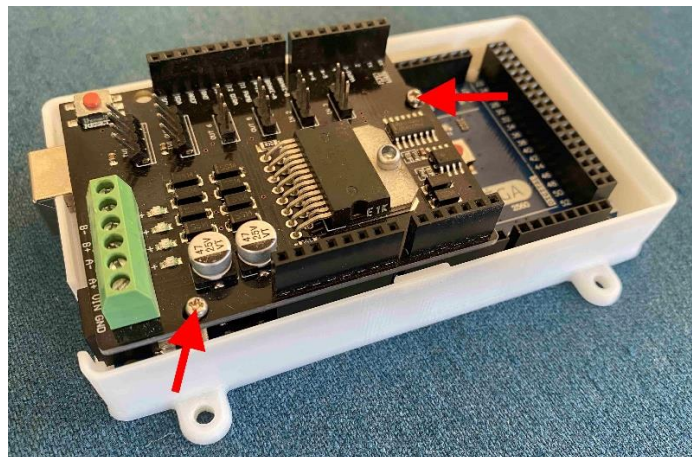
CASE DIMENSIONS (Including Feet)

LENGTH	109mm
WIDTH	80mm
HEIGHT	47mm

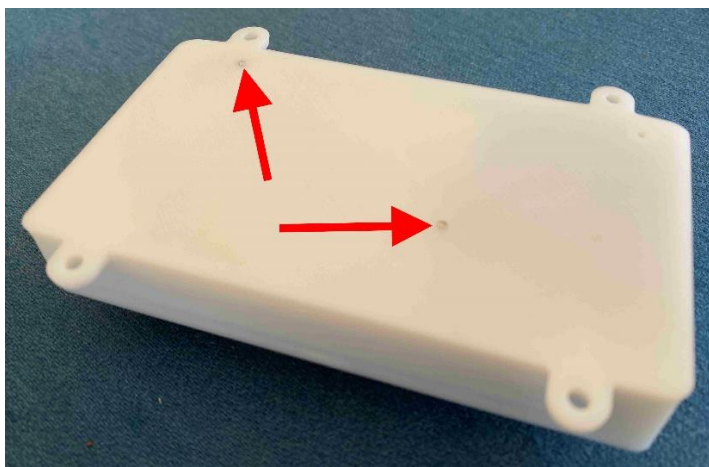
This document is updated from time to time as new information becomes available – usually due to people asking relevant questions regarding usage or configuration. The “Document Updated” date in the bottom-right corner of each page shows what document date you have. The latest version of this datasheet document can be downloaded from <http://www.jtelectronics.co.nz/products/documents/> or Google “JTECASE1”...

SHIELD MOUNTING BOLTS

Use the supplied M2 bolts to hold the shields in place. **DON'T overtighten the bolts** – They DON'T need to be screwed down tight to do their job. Do the bolts up so they are JUST touching the shield. Remember if you're using a third shield, the bolts will only hold the lower two shields and the third shield will be held in place by the case top cover.

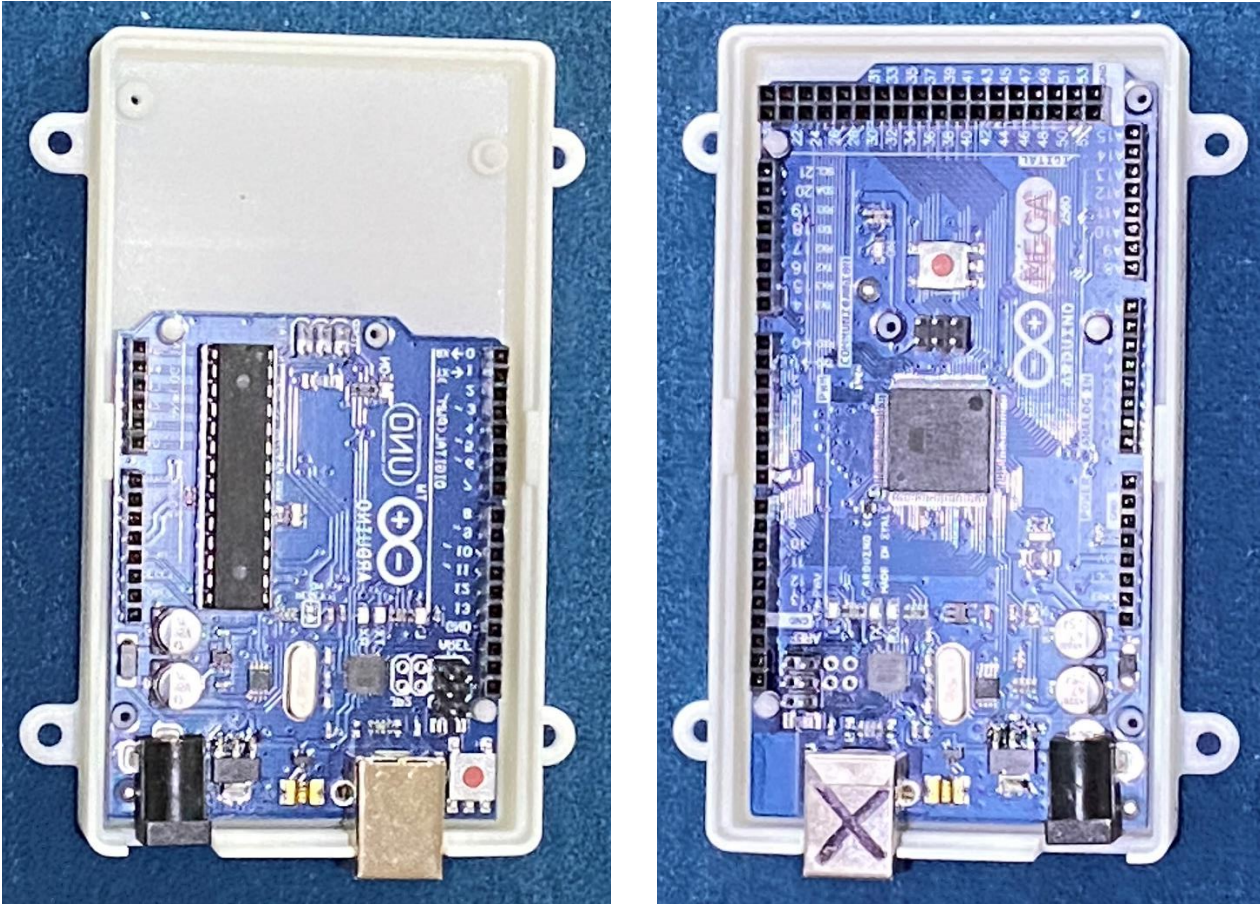


Also check the bolts are not protruding through the bottom of the case, or you'll get problems mounting the case to a flat surface... If the bolts do extend past the bottom of the case you can either use **plastic** spacers / washers under the head of the bolt, or cut / grind the bolts shorter.

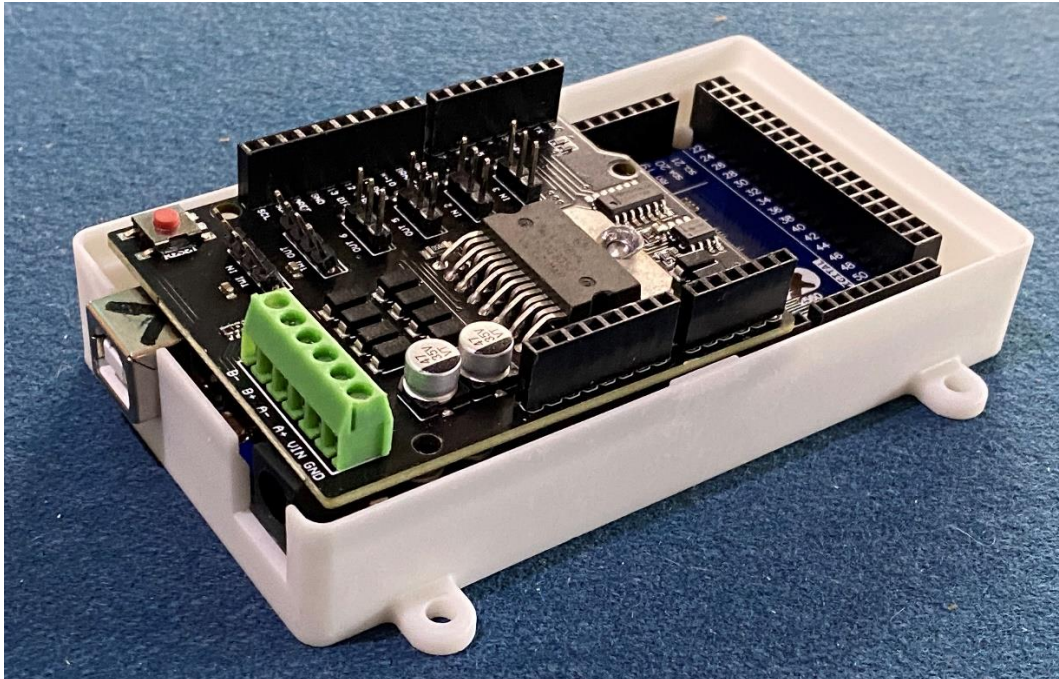


SOME PHOTOS OF USAGE

Arduino Compatible UNO and MEGA2560 shields fitted



UNO and Motor Driver shield fitted



Mega2560, Motor Driver and WiFi shields fitted

Note that the required jumper wires are soldered to folded over pins "0" and "1" underneath the WiFi shield, and the other ends are plugged into the MEGA2560 RX1 and TX1 pins (so the top of the case does not interfere with the wires)



Top half of case fitted

