Assembly Guide for BeagleBone, Zen and Mounting Plate

Package Contents

- BeagleBone Green (BBG) with Zen cape already mounted in anti static bag.
- Two micro USB cables (3 foot, and one very short) (not shown).
- Plastic mounting plate with 4 rubber feet with plastic standoff’s, 2 feet with just a nut.
- Rubbermaid-style carrying box (not shown).
- Bag of electronics (not shown) including a breadboard (show on right)

Directions

1. Peel the thin plastic film off the back of the mounting plate.

2. Insert a plastic screw through top of any one of the screw holes in the BeagleBone.
3. Press your finger on top of the screw and screw on a plastic stand-off by turning the stand-off clock-wise. Screw it in snugly; *don’t over tighten.*

4. Repeat for remaining 3 screws and stand-offs.

5. If per-assembled, unscrew rubber feet from standoff. Place metal screws through the rubber feet. Be sure to have the screw head go into the recessed portion of the foot.
6. Turn BeagleBone upside down, so stand-off’s are pointed up. Place the mounting plate on top, with text facing down, such that the mounting plate’s holes line up with the standoffs. Note it is possible to have it turned 180 degrees, or upside down and still have holes line up, so double check the layout. Photo on left shows boards right-way up; photo on right shows view from bottom after turning it upside down.

7. Screw on the six rubber feet. Will require a Phillips (+) screwdriver. Feet not connecting to standoffs require nut on the top.
8. Stick the breadboard to the plastic case by first pealing off the backing paper from the breadboard (left photo). Orient the breadboard so the row numbers go from smallest on the left to largest on the right. Then place it carefully onto the empty area on the plastic plate and press down firmly.

9. When transporting the board, or when storing the board, place the assembled system back into the anti-static bag, and then inside the plastic box to protect it.

You should not need to take the Zen cape off the BeagleBone. Doing so has a high risk of bending pins on the Zen cape.

If you must remove the Zen, you’ll need to go around the boards slowly pulling them apart a little at a time, corner by corner, side by side. You’ll slowly work the boards more and more apart. Finally, the pins will come free of the sockets. Be very careful not to pull unevenly and torque the Zen as it comes off the BeagleBone because this will likely bend the pins on the Zen.