

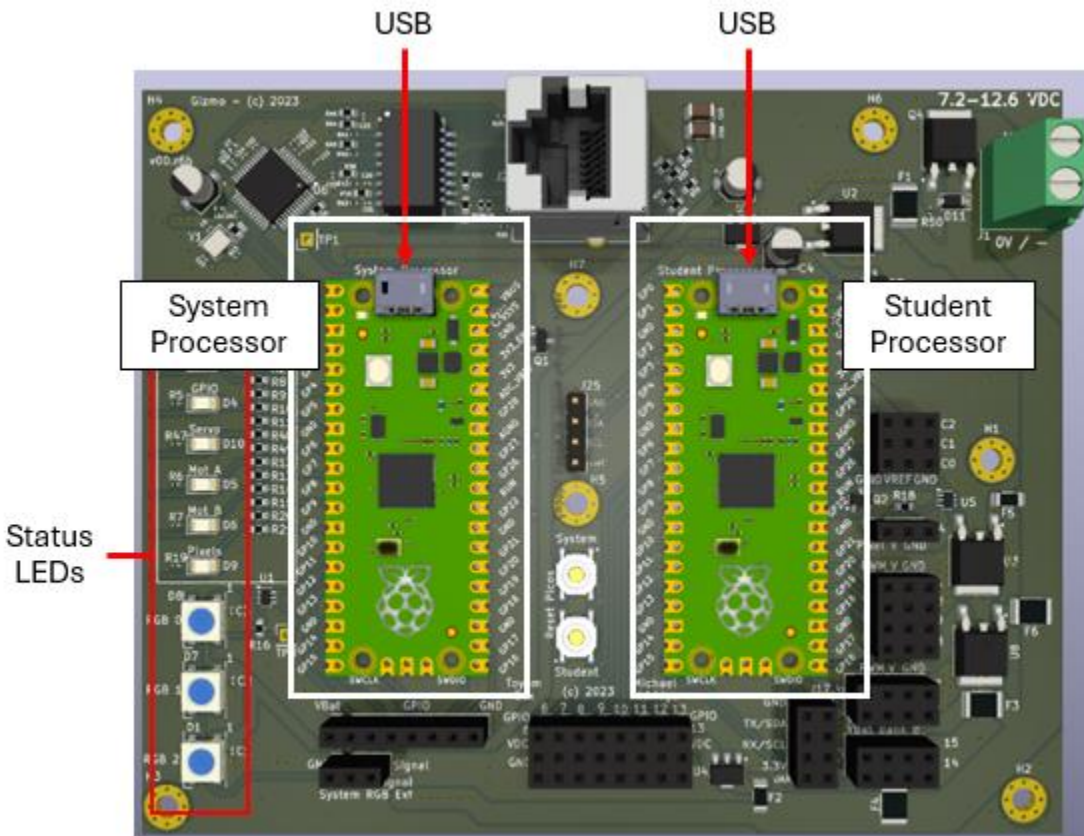
Gizmo PCB Assembly (How To)

To complete assembly of the Gizmo pc board, you will need to purchase the following microcontroller products separately and insert them into the available sockets on the Gizmo board.

- Raspberry Pi PICO WH (insert into System Processor socket)
- Raspberry Pi PICO H (insert into Student Processor socket)

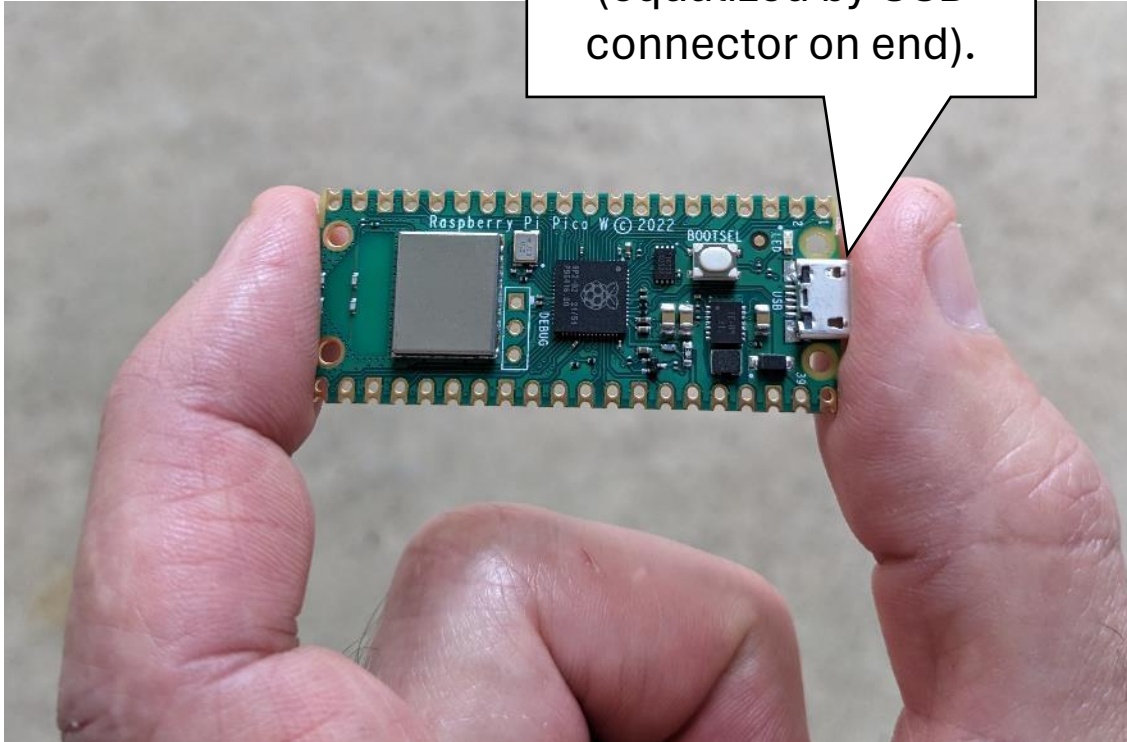
When viewing the Gizmo pcb (ver r6b and later) with the status LEDs on the left, the system processor (PICO WH) inserts into the left 40-pin socket and the student processor (PICO H) inserts into the right 40-pin socket.

The USB ports on each of the PICO modules should be facing the top of the board when in this orientation.

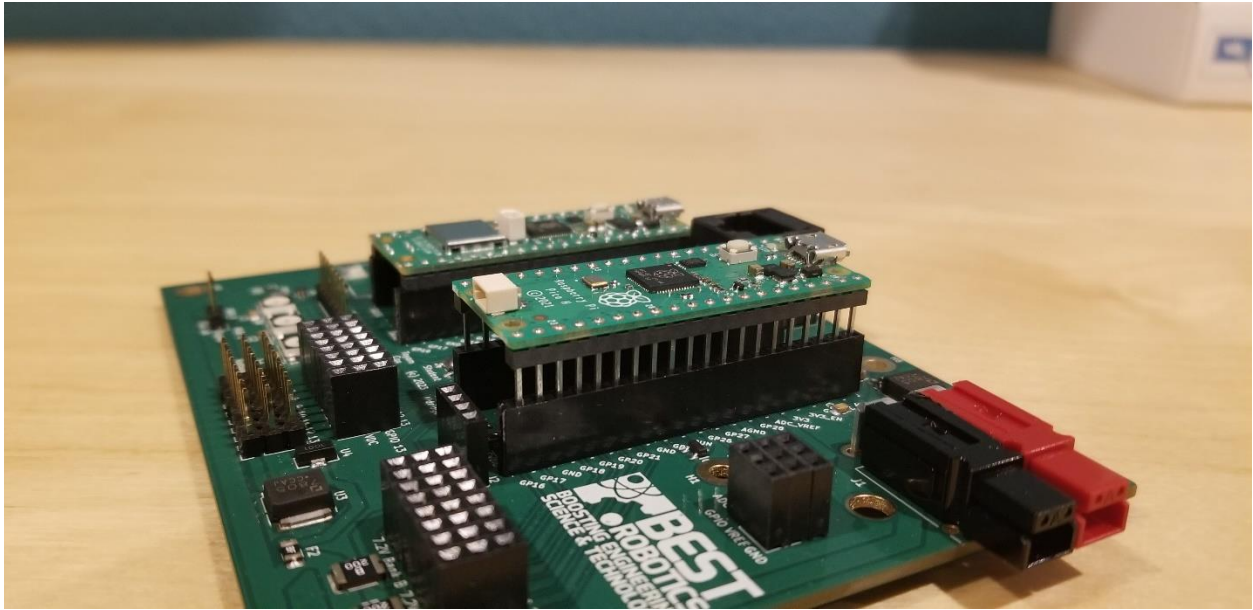


Beware of electrostatic discharge when handling the PICO modules.

Hold by ends to insert
(equalized by USB
connector on end).



Set the PICO module on the socket and verify that all pins are aligned with their respective holes.



Slowly push the module downward (straight) from each end a little at a time until the pins slide in. When seated completely, there should be no pins visible.

