



Microcontroller Case



N7 Cat

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Summary

Micro-controller case, should fit any 2.54 mm pitch micro-controller like ESP 32, ESP 8266 or Arduino Nano. BOM: QTY 2...

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Tags: [arduino](#) [arduino case](#) [esp32](#) [esp8266](#) [microcontroller](#)

Micro-controller case, should fit any 2.54 mm pitch micro-controller like ESP 32, ESP 8266 or Arduino Nano.

BOM:

- QTY 2 M3 X 20 Wood Screw (<https://www.aliexpress.com/item/32798366511.html>)
- QTY 2 M3 X 20 Button Head Machine Screw (<https://www.aliexpress.com/item/32798146322.html>)
- QTY 2 M3 X 6 X 5.3 Embedded Nut (old link no longer works - possible substitution M3 X D5 X L6) <https://www.aliexpress.com/item/4000232858343.html>
- QTY 1 Switch Momentary On 6 X 6 X 11
- QTY 1 Micro Controller

Note: the large opening is provisioned for a MAX9814 microphone amp with AGC for audio inputs - to secure use the filament heat stake method described in my other projects. I'm trying a new method where one end of

the heat stake is concealed, preheat the end before inserting and then squish it into the hole. The opening has a spherical profile inside which should hold the heat stake captive.

Print Settings

Printer Brand:

Creality

Printer:

Ender 3

Rafts:

Doesn't Matter

Supports:

No

Post-Printing

Gather materials as per BOM



Using soldering iron on low temp set the embedded nuts



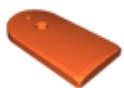


Wire your project as needed (here I have a nano wired for an upcoming project RGB mousepad)

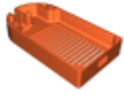


Category: Electronics

Model files



microcontroller_case_cover.stl



microcontroller_case_bottom.stl

[Find source .stl files on Thingiverse.com](#)

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