

## Pokédex-like iPhone (6+/6s+/7+) Case (old design\*)



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### Summary

Difficult project, designed in 2016 for iPhone 6+, 6s+, 7+, I may rework it for printability and new model phones.

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Tags: [pokemon](#) [pokemongo](#) [thingiverse](#) [iphone6plus](#)  
[iphone7plus](#) [iphonecase](#) [iphone6splus](#) [pinshape](#)

This Pokédex like case will only fit the iPhone 6 Plus, iPhone 6s Plus, and the iPhone 7 Plus.

This model requires a bit of sanding to get it to fit right, so it's not an easy print.

It does NOT SCALE to other phones.

\*Oct 2023:

I may at some point remake this for newer iPhones, and share here on [printables.com](https://printables.com)

I transferred this to [Printables.com](https://printables.com) from where I originally shared it at:  
Pinshape.com: <https://pinshape.com/items/28633-3d-printed-pokedex-like-iphone-66s7-plus-case>

Thingiverse: <https://www.thingiverse.com/thing:1890891>

## **Original Notes:**

I broke it down into 3 prints:

1. "Back of Case (Custom Supports Added).stl" - This has custom supports around the walls that will pull off when done. You can either print this, or use the "Back of Case COPY (Needs Support).stl" and add supports another way. 2. "Door of Case (Doesn't Need Support).stl" - This doesn't need supports turned on, as there is just a bit of overhang around the hinges parts that printed fine for me, and the triangle hole. 3. "Plate of all the Small Parts and Buttons (Print with Support).stl" - I printed this with supports on because I created little guides on all the buttons that may work without support, but the top part and slide have overhangs that definitely need support turned on in the slicer. This has all the small parts. I chopped the top part off the back so that way it uses less material for support, and easier clean up. I originally had all the buttons and LEDs as part of the case, but found it difficult to paint (I'm no masking expert!), thus I created all the buttons separate to make it easy to print (and possibly print in separate colors !?). Once all the parts are painted, I used model glue to glue them in.

I printed all at 0.14mm layer height with a 0.4mm nozzle. You probably could go to a higher layer height on the back and door, but I haven't tried it yet.

## **Post-Printing**

Originally I started out with red ABS, and moved to a red PETG as I liked the color more, less warping, and was a bit easier to file and finish. I used model glue to glue all the pieces together. I ended up painting it red so the color didn't really matter. (Thanks to my friend David for doing the paint on the iPhone one in the pictures). I painted the HTC 10 one, and clear coated the whole thing afterwards.

The door snaps in place.

## **How I Designed This**

A friend (thanks Nick) asked for a Pokédex case for his iPhone 6s Plus, and I wasn't happy with what was available at the time.

I started with the design specifications that Apple provides on their website for cases (I wish every manufacturer would provide this information freely!). Not only does it give the physical dimensions of the phones, it gives information about the zones around the cameras, sensors, buttons and ports.

I took that information and made a model of the iphone 6s plus in OnShape, and then made the case around it. This gave me the ability to make the case more form fitting for the phone. I didn't have any phone case design experience before this. As you can see in one of my pictures, I printed this out several times tweaking the design with each iteration. I probably printed it around 10 times before getting to this point. (there is still a bit to improve but I think it's ready to share).

I did create another one for a friend who has a HTC 10, that I painted differently. I don't have plans yet to release that model, but included some pictures of it here as reference.

Category: Mobile Phone

## Model files



**door\_of\_case\_doesnt\_need\_support.stl**



**back\_of\_case\_custom\_supports\_added.stl**



**plate\_of\_all\_the\_small\_parts\_and\_buttons\_print\_with... .stl**



**back-of-case-copy-needs-support.stl**



**pokedex-case-triangle-button-yellow.stl**



**pokedex-case-5x2-grid-top-left-button-blue.stl**



**pokedex-case-5x2-grid-top-mid-right-button-blue.stl**

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**pokedex-case-5x2-grid-bottom-middle-button-blue.stl**

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**pokedex-case-top-screen-green-or-black.stl**

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**pokedex-case-5x2-grid-top-middle-button-blue.stl**

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**pokedex-case-small-round-right-button-green.stl**

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**pokedex-case-half-rounded-square-right-button-grey-... .stl**

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**pokedex-case-5x2-grid-bottom-mid-right-button-blue.stl**

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**pokedex-case-5x2-grid-top-mid-left-button-blue.stl**

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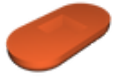
**pokedex-case-5x2-grid-bottom-mid-left-button-blue.stl**

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**pokedex-case-half-rounded-square-left-button-grey-o... .stl**

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**pokedex-case-oblong-right-button-orange-or-black.stl**

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**pokedex-case-small-round-left-button-orange-or-green .stl**

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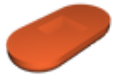
**pokedex-case-bottom-right-screen-green-or-black.stl**

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**pokedex-case-5x2-grid-bottom-right-button-blue.stl**

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**pokedex-case-oblong-left-button-green-or-black.stl**

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**pokedex-case-5x2-grid-bottom-left-button-blue.stl**

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**pokedex-case-5x2-grid-top-right-button-blue.stl**

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**pokedex-case-bottom-left-screen-green-or-black.stl**

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**pokedex-case-larger-round-button-yellow.stl**

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**pokedex-case-top-slide-out-red.stl**

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**pokedex-case-top-left-of-3-led-red.stl**



**pokedex-case-top-middle-of-3-led-yellow.stl**



**pokedex-case-ring-around-top-right-white.stl**



**pokedex-case-top-front-piece-red.stl**



**pokedex-case-top-right-of-3-led-green.stl**



**pokedex-case-top-large-round-light-blue.stl**

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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