



Human Ear iPhone Case

Created by Ruiz Brothers



<https://learn.adafruit.com/ear-phone>

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Overview



Ear Phone Grip

Protect your phone with an Ear case. This phone case is designed to resemble human skin with a grip that resembles an Ear!

The flesh-inspired case not only protects your smartphone—it also lets you have a better grip by attaching the ear to a PopSocket!

Color Match Skin

Use flexible filament made for prosthetics to match skin tones, if you wish.



Editable Phone case

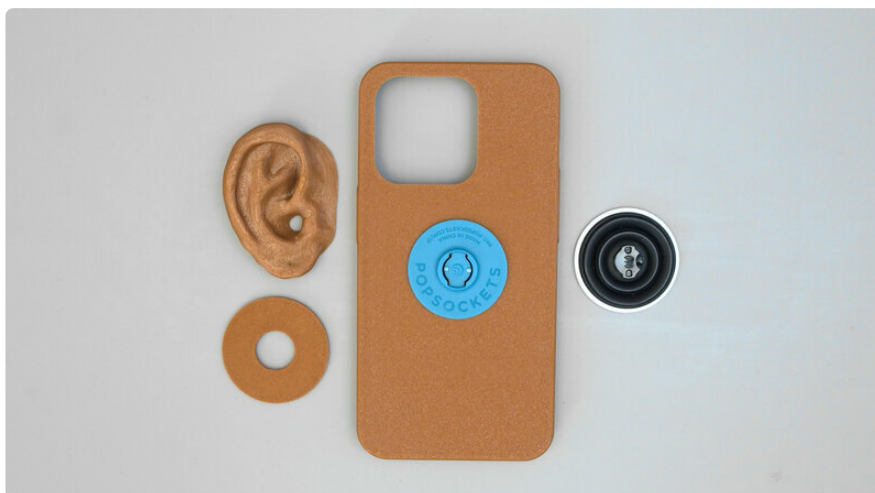
Edit the phone case to fit any phone model. 3D scan an ear or search for an existing scan to modify. Compatible with any PopSocket, the grip securely attaches to the flexible filament.



Multiple view angles

The ear shape allows the phone to sit any different angles by simply rotating the ear to get the best view while watching videos.

Parts





NinjaFlex - 1.75mm Diameter - Almond-Peach Smoothie - 0.50Kg

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<https://www.adafruit.com/product/2383>



NinjaFlex - 1.75mm Diameter - Semitranslucent White - 0.50 Kg

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<https://www.adafruit.com/product/2445>



3D Print



Parts List

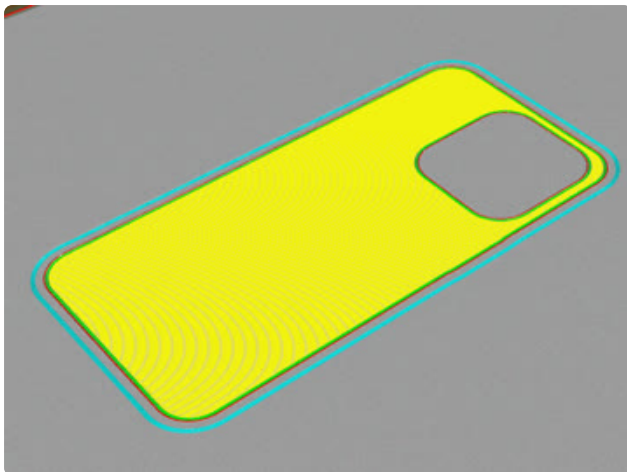
STL files for 3D printing are oriented to print "as-is" on FDM style machines. Parts are designed to 3D print without any support material. Original design source may be downloaded using the link below.

Edit Phone Design

<https://adafru.it/11pE>

Download STLs

<https://adafru.it/11ra>

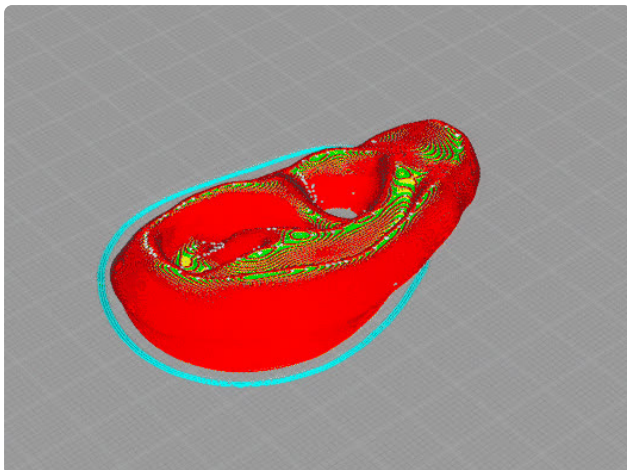


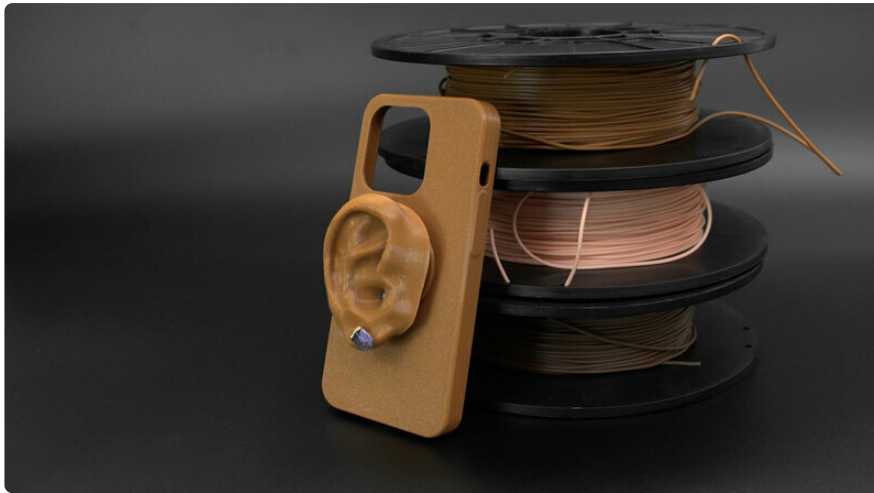
Slicing Parts

Slice settings for NinjaFlex 85a material.

The parts were sliced using CURA using the slice settings below.

230c extruder
0.3 Initial layer height
.2 layer height
10% gyroid infill
50mm/s print speed
50c heated bed





Assemble



Attach base

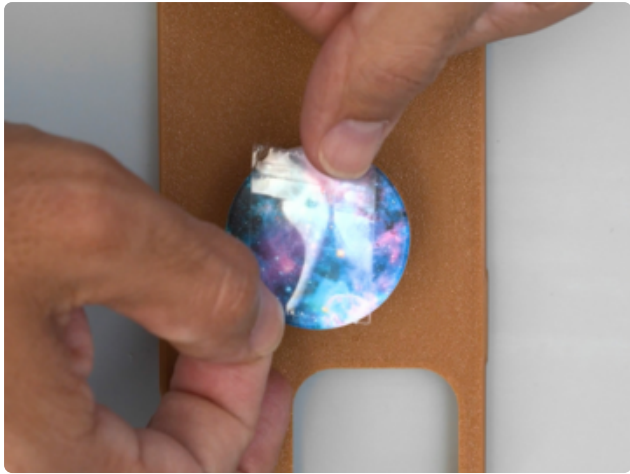
Position the base on the back of the printed case. Peel the backing and place on top. Make sure to set the position correctly as the adhesive will securely bond to the cover after a day.



Base cover

The optional base cover is place on top to color match the base.

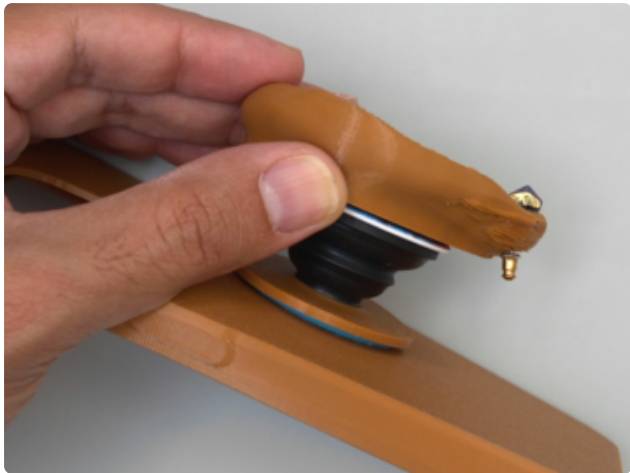
Align the Grip to the base and twist to securely attach to the base.



Attach ear

Use double stick tape or hot glue to attach the ear to the grip.

Firmly press the ear to adhere to the grip.



Piercing

The flexible filament allows you to add additional accessories like ear rings. Use tweezers to poke a hole through the lobe and attach ear rings!

Complete

