



Rugged Multipart Pinecil/TS100/TS80 Case (V2)



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Summary

Standing on the shoulders of giants I've created my personal version of a Rugged Multipart Pinecil/TS100/TS80 Case

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Tags: [storage](#) [storagebox](#) [soldering](#) [ts100](#) [ts80](#) [pine64](#) [solderingstand](#) [rugged](#) [solderspool](#) [ts80case](#) [ts80p](#) [pinecil](#) [ts100case](#) [pinecilcase](#)

Warning!

The TS80 insert with large cable compartment was uploaded with the wrong dimensions. Don't print it if you have downloaded it before 28/2/2023. A new version has been uploaded with the right dimensions.

Design

I've created my personal version of a Rugged Multipart Pinecil/TS100/TS80 Case. Check the links in the remix section to check out the great designs I used as base/inspiration. Also check the less rugged but still aesthetically pleasing [Multipart Pinecil Case](#). That version doesn't need any additional hardware.

Printing & Assembling

I would recommend printing at a 0.2mm layer height. 2 latches are needed. Printing the TPU seal isn't needed unless you want to water tighten the case. The latches and hinges are made to fit M3x20screws. CA glue can be used to fit the inserts and case halves together. However in my case the inserts fit the case so well, I didn't even need to glue the two together.

Additional parts like the stand and spool can be downloaded from [Termiman's](#) page. Also check out his step file for making your own version.

Multi-material Logo Printing

I've included a separate version of the logo for multi-material printing. It is scaled to fit the Large versions of the case. Use your slicer to make it fit the smaller case versions.

[Instructions on how to make a first layer with multiple materials.](#)

Heads up! I've not had good results printing multi-material files this way via Octoprint. In the past the printer initiated the filament change but nozzle was set to cool down without heating up when it started printing again. The safest way to go is putting the gcode on the Prusa SD card and bypass Octoprint altogether. Also check the gcode for the first M600 command. I generally remove it as it initiates an unnecessary tool change right at the beginning.

Update:

28/12/2022

Uploaded a remixed version of the TS100 insert. I've not printed it yet so please send me a message if there any problems with it. The top inserts are all compatible as the tips of both Pinecil and TS100 are the same.

12/1/2023

Due to request by [xenos](#) added inserts with room for two more tips instead of the cable compartment.

14/1/2023

V2. I made an overhaul to efficiently fit in most of Termiman's designs (Large, Medium and Small). This includes TS80 compatible inserts.

The original V1 inserts and case are not compatible with the newer ones. Also check V1 files if you printed the TS80 inserts of **ossifragus. All V2 files are compatible with each other.**

19/1/2023

- Fixed error in outer case hinges.
- Added inserts with room for 4 tips. These can be used in both halves of the case to house 8 tips in total.

28/1/2023

Added a cable only insert for the small versions of the box. This version collided with the soldering iron though so I had to revise it by lowering the inside studs.

8/3/2023

Changed the 4x Tip inserts to give more clearance to the iron.

This remix is based on

TS100 8
TIP CASE **TS100 8 TIP CASE**
by maltvat



Pinecil Case (stores 4 tips, USB cable & accessories)
by orax

Storage
Box

TS100,
TS101,
TS80 &
TS80p

Pinecil,
TS100,
TS101,
TS80 &
TS80p
Case

Case

**Pinecil, TS100, TS101, TS80 & TS80p Case with
options, Stand, Solder Reel, Storage Box**

Stand,
Solder
Reel,

Storage
Rugged Box (Parameterized)
Box

by Whity



Solder
Reel,
Pinecil
Storage
Case
Box

Pinecil Case

by liborburda

Pinecil
rugged
Case

Pinecil rugged Case

by Noctus3D

Model files



Outer Case V2.

7 files

case-large.3mf

lid-large.3mf

lid-large-logo.3mf

case-medium.3mf

lid-medium.3mf

case-small.3mf

lid-small.3mf



Pinecil Inserts V2.

17 files

pinecil-bottom-large-cable-large.3mf

☐ Best fit for 1.5m silicone USB C cable

pinecil-bottom-large.3mf

pinecil-bottom-double-tip.3mf

pinecil-bottom-medium.3mf

pinecil-bottom-small.3mf

ts100_pinecil-top-large-a.3mf

ts100_pinecil-top-large-b.3mf

ts100_pinecil-top-large-c.3mf

ts100_pinecil-top-medium-a.3mf

ts100_pinecil-top-medium-b.3mf

ts100_pinecil-top-medium-c.3mf

ts100_pinecil-top-small-a.3mf

ts100_pinecil-top-small-b.3mf

ts100_pinecil-top-small-c.3mf

ts100_pinecil-top-small-d.3mf

ts100_pinecil-top-small-cable.3mf

☐ revised version with reduced height on the inside to prevent collision with iron

pinecil-top-4x-tip-v2.3mf

☐ Lowered the tipholders to clear the soldering iron



TS100 Inserts V2.

17 files

ts100-bottom-large-cable-large.3mf

☐ Best fit for 1.5m silicone USB C cable

ts100-bottom-large.3mf

ts100-bottom-large-double-tip.3mf

ts100-bottom-medium.3mf

ts100-bottom-small.3mf

ts100_pinecil-top-large-a.3mf

ts100_pinecil-top-large-b.3mf

ts100_pinecil-top-large-c.3mf

ts100_pinecil-top-medium-a.3mf

ts100_pinecil-top-medium-b.3mf

ts100_pinecil-top-medium-c.3mf

ts100_pinecil-top-small-a.3mf

ts100_pinecil-top-small-b.3mf

ts100_pinecil-top-small-c.3mf

ts100_pinecil-top-small-d.3mf

ts100_pinecil-top-small-cable.3mf

☐ revised version with reduced height on the inside to prevent collision with iron

pinecil-top-4x-tip-v2.3mf

☐ Lowered the tipholders to clear the soldering iron



TS80 Inserts V2.

16 files

ts80-large-cable-large.3mf

☐ Best fit for 1.5m silicone USB C cable

ts80-bottom-large.3mf

ts80-bottom-medium.3mf

ts80-bottom-small.3mf

ts80-top-large-a.3mf

ts80-top-large-b.3mf

ts80-top-large-c.3mf

ts80-top-small-a.3mf

ts80-top-small-b.3mf

ts80-top-small-c.3mf

ts80-top-small-d.3mf

ts80-top-medium-a.3mf

ts80-top-medium-b.3mf

ts80-top-medium-c.3mf

ts80-top-small-cable.3mf

☐ revised version with reduced height on the inside to prevent collision with iron

ts80-top-4x-tip-v2.3mf

☐ Lowered the tipholders to clear the soldering iron



Peripherals V2.

5 files

seal-large.3mf

seal-medium.3mf

seal-small.3mf

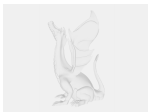
latch.3mf

logo.3mf



Step files

2 files



inserts.step



rugged-pinecil.step



Outer Case V1.

4 files

bottom.3mf

top.3mf

toplogo.3mf

toplogo_multimaterial.3mf



Inserts V1.

7 files

bottominsert_pinecil_large.3mf

topinsert.3mf

bottominsert_pinecil_2x_tips.3mf

bottominsert_pinecil_small.3mf

bottominsert-ts100_large.3mf

bottominsert_ts100_2x_tips.3mf

bottominsert_t100_small.3mf



Peripherals V1.

2 files

seal.3mf

latch.3mf

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