



Receptacle Cover Plate



Lockwatcher

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Summary

This is an oversized coverplate for a receptacle above my kitchen cabinets. I could not find one large enough!



5.17 hrs



2 pcs



0.15 mm



0.40 mm



PLA



61 g



Prusa
MK3/S/S+

[Household](#) > [Kitchen](#)

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This is an oversized receptacle cover that I needed due to a large opening next to a single receptacle junction box. A standard coverplate screw holds the plate on the center of the receptacle, and additional tabs hold the right (or left) side of the plate firm against the 1/2" drywall (12.7mm).

This is an easy print, I printed it with supports on the baseplate only, with the front of the coverplate facedown on the print bed. I then printed two (2) of the hold down pins. I printed mine with Inland White PLA with no issues.

Once the main plate and two (2) hold down pins are printed, the pins are attached to the main plate with short 5mm screws (the holes have printed

5mm threads), the plate then installs to the wall with only the receptacle screw to hold it in place.

The screws I used are similar to these:

https://www.amazon.com/M5-Countersunk-Socket-Screws-Furniture/dp/B0CKW1X3RS/ref=sr_1_6?crid=I7APPZEHB42Y&dib=eyJ2IjoiMSJ9.0RMVJDShz8BPP5oZzchCQm6j8ztkw9bnTWmtArUQu4JkMyroxRrCHAr1Pgub8KKxuGB32Nh_uij82-VUrqxnLAWiU222wxC4KQw7UIKvJ42bdIRmB1U-g2odRtw8AEUVtwDcPMuaTAZEAdALDq7FhjuBdedUPBOV3eL-3O7g8p-sAv6nejeg09xpi2QF5VRjfkuTfDpkLs1xkjW9EjkGBO8PdxyhPkysXCjkFki4buT1YBc.4K4SRcsPcEJy_7da_mViUsSPu12bN0a5yBqXyJj3NXg&dib_tag=se&keywords=m5%2B8n

A little touch of white pain on the 5mm screw tops, and the screws disappear!

Please enjoy!

Note about printed threads: Just like Prusa, I prefer a nut & bolt combination for holding parts together - the exception is when I do not plan to take the item apart (like ever). Whenever I print threads on my printer, I follow the threads to clean them up with a matching tap, then test it with the screw I will be using!

Model files



main-cover-plate.stl



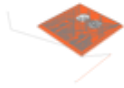
lock-pin.stl

Print files



lock-pin_015mm_pla_mk3s_1h8m.gcode

🌀 PLA 📏 0.40 mm 📐 0.15 mm ⌚ 1.13 hrs ⚖️ 10 g 🖨️ Prusa MK3/S/S+



main-cover-plate_015mm_pla_mk3s_4h2m.gcode

🌀 PLA 📏 0.40 mm 📐 0.15 mm ⌚ 4.04 hrs ⚖️ 51 g 🖨️ Prusa MK3/S/S+

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