



XT60 Connectors Plus Strain Relief



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Summary

My take on XT60 connectors, both Male and Female versions. Plus my take on a strain relief for 12 awg wires.

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These are my take on some XT60 connectors.

They are made to fit 3.5mm (4mm OD) connectors. They should be press fit, I had to use a small vice to press mine in place. On the male connector, I added a bit of super glue after to hold them in place as there is less area to hold them in place.

I tested my prints with some generic XT60 connectors, and both fit the standard connectors with no modifications.

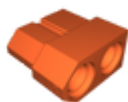
I printed mine in Polymaker PC @ 0.2mm and they handled the heat of soldering easily.

Print with the solder end to the printer bed, no supports needed.

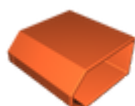
I printed the strain relief in TPU @ 0.2mm, and they slide on of the wires after soldering.

The strain reliefs have a small rim that fits into the area around the contacts on standard XT60 connectors. Make sure you print with this rim facing up. No supports needed. Note: You may have to trim off this rim when using these with my XT60 connectors.

Model files



xt60-female-connector.stl



xt60-male-connector.stl



xt60-strain-relief-12awg.stl

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