



T-Beam v1.x case for Meshtastic

T TonyG

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Summary

This is a case for TTGO T-Beam v1.x NEO-M8N/6M boards, designed for the Meshtastic® project (<https://meshtastic.org>).

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[ttgotbeam](#)

****You can purchase this case and others already printed:****

US customers can purchase from QuantumShadow3D:
(<https://www.etsy.com/shop/QuantumShadow3D>)

UK/EU customers can purchase from 3DChicken:
(<https://www.3dchicken.co.uk>)

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With all that said, now on to the models...

Update 31-December-2023:

- Added button-tighter-fit model in case the original button is too small for the holes
- Uploaded v7 frame models to correct many little things that were bothering me, including the ribbed sides' rough look. It's now clean and consistent.
- Uploaded v7 frame variants without the dust cover screw hole, for use with cases without the need for dust covers (or people who can't/don't want to print TPU)
- Uploaded v7 18650/21700 back covers to correct small defects and match the ribbed sides of the v7 frames (NOTE: v6a and v7 frames and backs will NOT match)
- Uploaded v7 slim back covers to correct small defects and match the ribbed sides of the v7 frames (NOTE: v6a and v7 frames and backs will NOT match)

This is a case for the TTGO T-Beam v1.x NEO-M8N and NEO-6M boards, designed for the Meshtastic project (<https://meshtastic.org>).

There are only **FOUR** files required for a complete case, as well as socket head cap screws and nuts; refer to the parts list below.

Required hardware:

- Four (4) M3x16mm socket head cap screws and four (4) M3 nuts for the case
- Four (4) M2x4mm screws (no nuts) to secure T-Beam to the frame

Minimum required model files for the T-Beam NEO-6M (SMA antenna jack):

- T-Beam_v7_frame_6M
- T-Beam_v6_front-6M-xxx - Various case patterns to choose from
- T-Beam_v7_back_18650 (or 21700), depending on the battery size used
- T-Beam_v6_button-short - Can use -tall if bigger buttons are desired

Minimum required model files for the T-Beam NEO-M8N (u.FL antenna jack):

- T-Beam_v7_frame_M8N
- T-Beam_v6_front-M8N-xxx - Various case patterns to choose from

- T-Beam_v7_back-18650 (or 21700), depending on the battery size used
- T-Beam_v6_button-short - Can use -tall if bigger buttons are desired

Optional:

- T-Beam_front-xxx-25mm - For use with 25mm GPS antennas
- T-Beam_dust-cover - Print in TPU, covers USB port and buttons (recommended!)
- T-Beam_SMA-gasket-for-wide-base-antenna - Print in TPU, for use with larger base antennas (for NEO-6M only)
- T-Beam_SMA-gasket-for-stock-antenna - Print in TPU, to use with stock antenna (for NEO-6M only)
- T-Beam_screen-insert - For use with acrylic laser-cut window insert
- T-Beam_screen-acrylic-template - Template for cutting acrylic windows (1.5mm thick)
- T-Beam_v7_back_21700 - If you want to use a 21700 battery and holder
- T-Beam_v7_slim-xxxx - If you want to use a flat lithium polymer battery (703090 battery size code); NOTE: requires desoldering and removal of the 18650 battery holder

Misc:

- There are multiple versions of the front-xxx model, including a noscreen version and a blank_no-screen version to add your own branding, design, labels, etc.

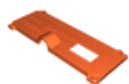
This remix is based on

None

None

Model files

t-beam_v6_front-6m-waves.stl





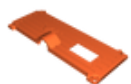
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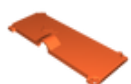
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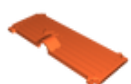
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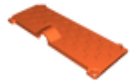
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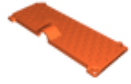
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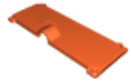
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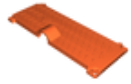
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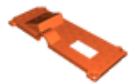
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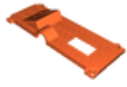
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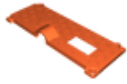
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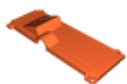
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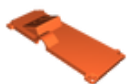
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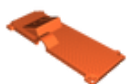
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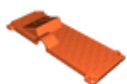
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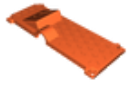
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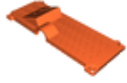
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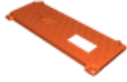
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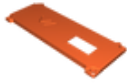
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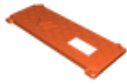
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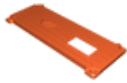
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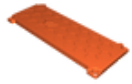
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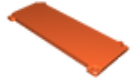
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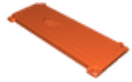
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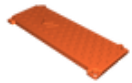
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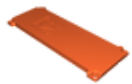
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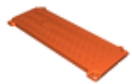
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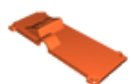
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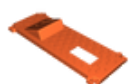
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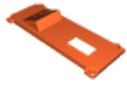
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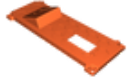
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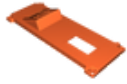
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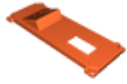
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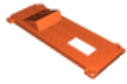
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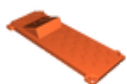
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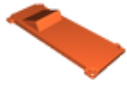
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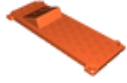
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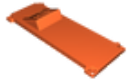
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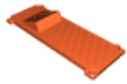
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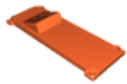
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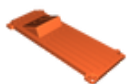
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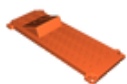
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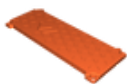
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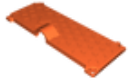
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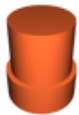
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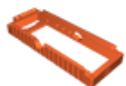
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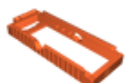
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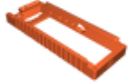
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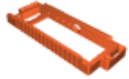
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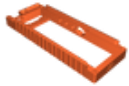
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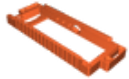
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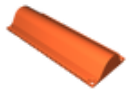
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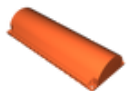
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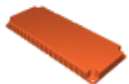
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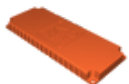
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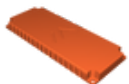
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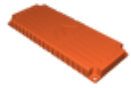
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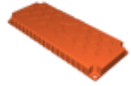
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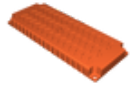
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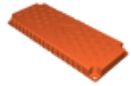
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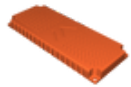
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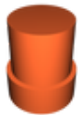
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t-beam_v7_back-slim-circles.stl



t-beam_v7_back-slim-dots.stl



t-beam_v7_button_tighter-fit.stl

Other files

laser-cut_acrylic_window_insert_v3.svg

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