

Pocket Tic Tac Toe: Fold & Play Anytime, Anywhere - Print in Place

3D KIMBA

VIEW IN BROWSER

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Summary

A portable version of Tic Tac Toe for fun on the go and anywhere!

8.19 hrs	6 pcs	0.20 mm	0.40 mm	PLA	164 g	Prusa XL

Toys & Games > Board Games

Tags: board boardgames hinge printinplace foldable boardgame pocket portable travel tictactoe multiplayer onthego tris

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UPDATE **-** **April** 23, 2025 **-**

Added new Board Version with Exposed Magnets for stronger closing force. CA glue is required to keep the magnets securely in place.

UPDATE **-** December 25, 2024 **-**
Added Triangular Token
Added Thinner Token Version to carry up to 18 tokens in the same case.

Game Description:

Get ready for on-the-go fun with **Pocket Tic Tac Toe**, where timeless strategy meets portability. This mini board unfolds with ease and uses print-in-place hinges to deliver seamless folding action. Compact and stylish, it’s crafted for instant play wherever you are, with optional slots for magnets that keep it securely closed during travel. Ideal for all ages, it’s the perfect game for spontaneous rounds of Tic Tac Toe anywhere you go.

• **Players:** 2-3

• **Age:** 3+

Printable Files

• **Folding Game Board (1x)**

• **Markers (X: 5, O: 5, □:5)**

Printing Instructions:

• Layer Height: 0.15 - 0.2 mm

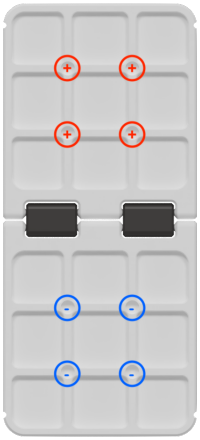
• Infill: 15-30%

• Perimeters: 2

• Supports: Not required

• Material: PLA or PETG

Magnetic Option:
The board includes 8 slots designed for 5x3mm cylindrical magnets, allowing for secure magnetic closure. Alternatively, if magnets are not available, the board also features notches along the edges, allowing a rubber band to hold it closed firmly in place.

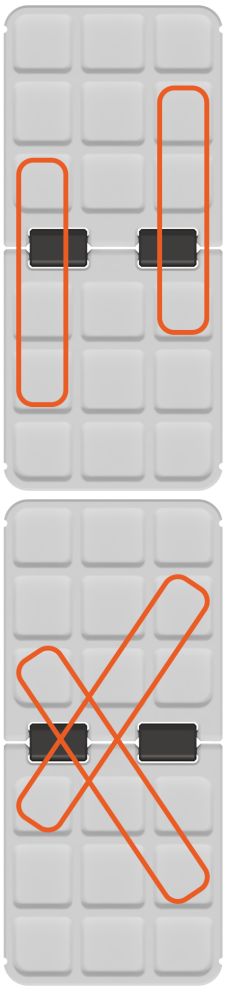


> ⚠ **Pay attention when inserting the magnets:** make sure to insert the magnets in one direction on one side, and in the opposite direction on the other side so they attract each other. If all magnets are inserted in the same orientation during the print pause, they will repel each other and the board won’t close.

Game Objective:

First to align three in a row wins! Pocket Tic Tac Toe is perfect for quick-thinking strategy on the go, capturing the essence of the classic game in a portable format.

> **NEW 3 - Player Mode!:**
> Thanks to the double game board, you can now play with three players! After a while, the classic two-player game can feel repetitive since once you master the strategy to avoid losing, it becomes predictable. This new mode for three players adds an exciting twist: with the double board layout of 18 squares, there are 26 possible ways to win, compared to the usual 8 on a standard 3x3 board. This makes gameplay more challenging and strategic, as you can even make a line across both boards.



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For a three-player game, each player needs just five tokens. Once all tokens are placed on the board, and if no one has won yet, players can continue by picking up and moving one of their placed tokens to an empty square, keeping the game dynamic and engaging.

Download the model today and try out the 3-player mode!

Show Your Creations!

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Thank you to PCBWay for reaching out and sponsoring this project:

Special thanks to PCBWay (www.pcbway.com), experts in PCB prototyping, CNC machining, and 3D printing, for helping us bring more exciting projects to life. Their support makes it easier for us to share innovative designs with the community!

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Model files

pocket-tic-tac-toe-print-in-place-with-pause-for-ma… .3mf

Plate 2 includes the thinner token variant



pocket-tic-tac-toe-print-in-place-exposed-magnet_xl.3mf

Plate 2 includes the thinner token variant



pocket-tic-tac-toe-print-in-place-no-magnet_xl.3mf

Plate 2 includes the thinner token variant



x.stl



o.stl



square.stl



d.stl



thin-x.stl

Thinner Token Version



thin-o.stl

Thinner Token Version



thin-square.stl

Thinner Token Version



thin-d.stl

Thinner Token Version



board-exposed-magnets.stl



board.stl

Print files



pocket-tic-tac-toe-print-in-place-with-pause-for-ma… .bgcode

PLA 0.40 mm 0.20 mm 2.62 hrs 53 g Prusa XL

Printable file with Thinner Tokens, allowing up to 18 tokens to fit inside the case



pocket-tic-tac-toe-print-in-place-with-pause-for-ma… .bgcode

PLA 0.40 mm 0.20 mm 3.01 hrs 58 g Prusa XL



pocket-tic-tac-toe-print-in-place-exposed-magnet_th… .bgcode

PLA 0.40 mm 0.20 mm 2.59 hrs 53 g Prusa XL



pocket-tic-tac-toe-print-in-place-exposed-magnet_xl.bgcode

PLA 0.40 mm 0.20 mm 2.98 hrs 58 g Prusa XL



pocket-tic-tac-toe-print-in-place_thinner-token_xl.bgcode

PLA 0.40 mm 0.20 mm 2.62 hrs 53 g Prusa XL

Printable file with Thinner Tokens, allowing up to 18 tokens to fit inside the case



pocket-tic-tac-toe-print-in-place_xl.bgcode

PLA 0.40 mm 0.20 mm 3.01 hrs 58 g Prusa XL

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