

iPad Thickness, Profile and Host Port Specifications

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This table shows the most relevant specifications for selecting a 3D-printed bracket from the family of interface profiles developed by Origin Instruments. This table provides a good starting point for tuning an interface profile if one has not been provided for your specific iPad. The information in this table is based on publicly available information as of February 2023.

There are no guarantees that these specifications or profiles are correct. Use them at your own risk.

Notice that several iPads didn't change or didn't change much and can therefore use the same interface profile. For example, the iPad Pro 11-inch thickness hasn't changed from the first generation to the present fourth generation so they can use the same interface profile. The iPad Pro 12.9-inch from the third generation to sixth generation hasn't changed that much and the iPad Pro 11-inch interface profile might work well enough. A half millimeter is small and might fall within your 3D printer's tolerance. However, it's very easy to increase the interface profile opening by 0.5-mm.

Device	Thickness (mm)	Profile* (Arc/Rectangular)	Host Port
iPad Pro 12.9-inch: 6th gen	6.4	Rec	USB-C
iPad Pro 11-inch: 4th gen	6.0	Rec	USB-C
iPad Pro 12.9-inch: 5th gen	6.4	Rec	USB-C
iPad Pro 12.9-inch: 4th gen	5.9	Rec	USB-C
iPad Pro 11-inch: 3rd gen	6.0	Rec	USB-C
iPad Pro 11-inch: 2nd gen	6.0	Rec	USB-C
iPad Pro 12.9-inch: 3rd gen	5.9	Rec	USB-C
iPad Pro 11-inch: 1st gen	6.0	Rec	USB-C
iPad Pro 12.9-inch: 2nd gen	6.9	Arc	Lightning
iPad Pro 10.5-inch: 1st gen	6.1	Arc	Lightning
iPad Pro 9.7-inch	6.1	Arc	Lightning
iPad Pro 12.9-inch: 1st gen	7.0	Arc	Lightning
iPad Air: 5th, 4th gen	6.1	Rec	USB-C
iPad Air: 3rd gen	6.1	Arc	Lightning
iPad Air: 2nd gen	6.1	Arc	Lightning

Device	Thickness (mm)	Profile* (Arc/Rectangular)	Host Port
iPad Air: 1st gen	7.5	Arc	Lightning
iPad mini: 6th gen	6.3	Rec	USB-C
iPad mini: 5th gen	6.1	Arc	Lightning
iPad mini: 4th gen	6.1	Arc	Lightning
iPad mini: 2nd, 3rd gen	7.5	Arc	Lightning
iPad mini: 1st gen	7.2	Arc	Lightning
iPad: 10th gen	7.0	Rec	USB-C
iPad: 9th, 8th, 7th gen	7.5	Arc	Lightning
iPad: 5th, 6th generation	7.5	Arc	Lightning
iPad: 4th gen	9.4	Arc	Lightning

* This indicates whether the iPad has the curved back at the edges or the newer rectangular shape.