

3D Printed Parts Build

NIST



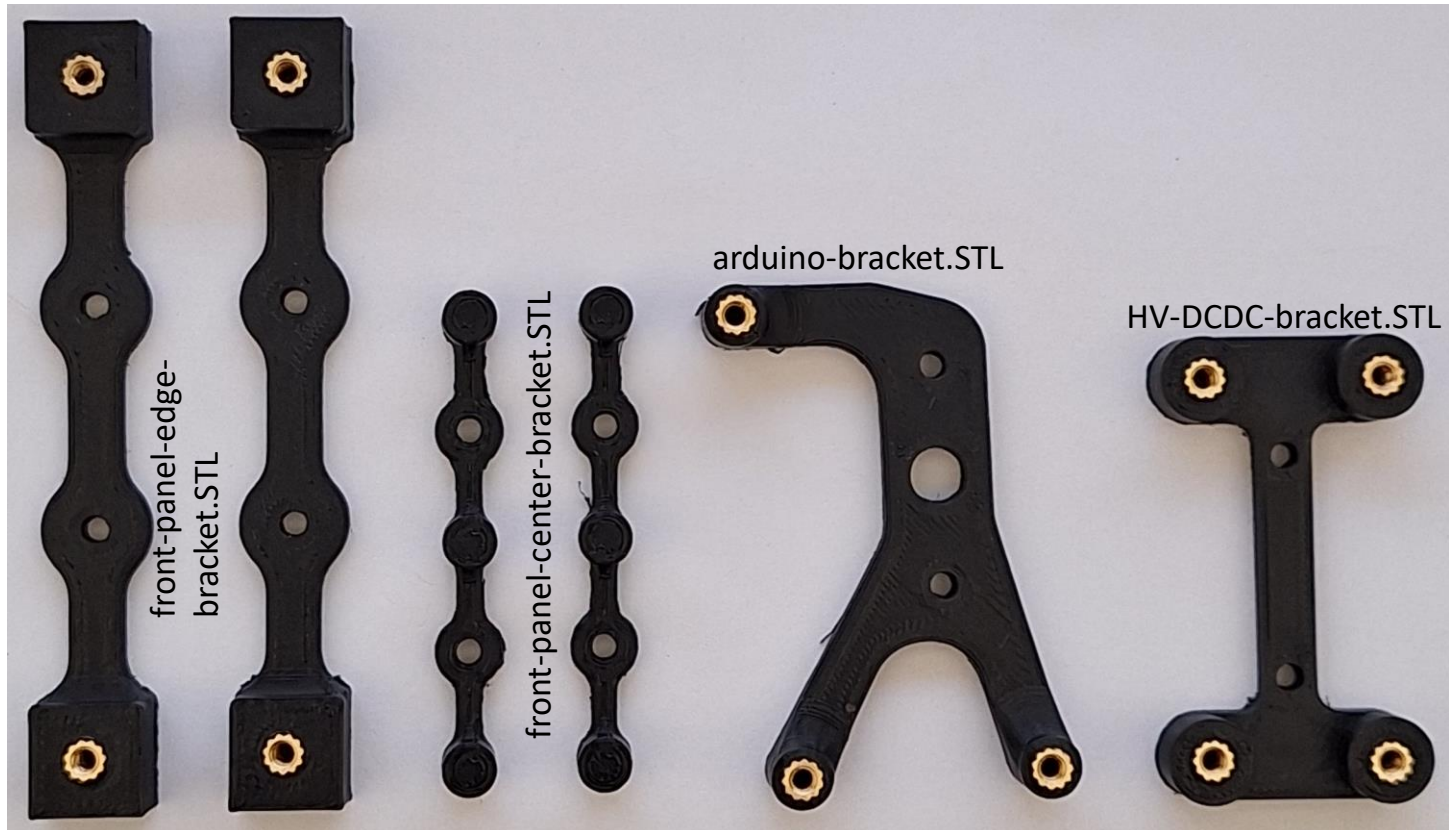
MEMSDuino

Lafe Spietz

NIST

2024

Full Set of Parts



Print times and filament masses

- arduino-bracket.STL: 4 grams, 18 minutes, print 1
- HV-DCDC-bracket.STL: 4 grams, 14 minutes, print 1
- front-panel-center-bracket.STL: 1 gram/each, 7 minutes/each, print 2
- front-panel-edge-bracket.STL: 4 grams/each 14 minutes/each, print 2
- Total filament mass: 18 g
- Total print time: 77 minutes

4-40 Thread Inserts



Insert with soldering iron, in a press if available

<https://www.3djake.com/ruthex/threaded-insert-4-40-unc-100-pieces>

Thread insert installation

