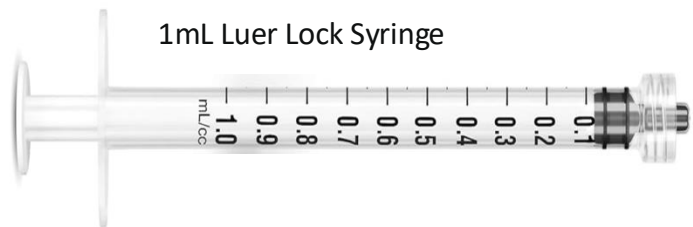


ESI syringe and emitter details

GAA Custom Electronics, LLC



1mL Luer Lock Syringe



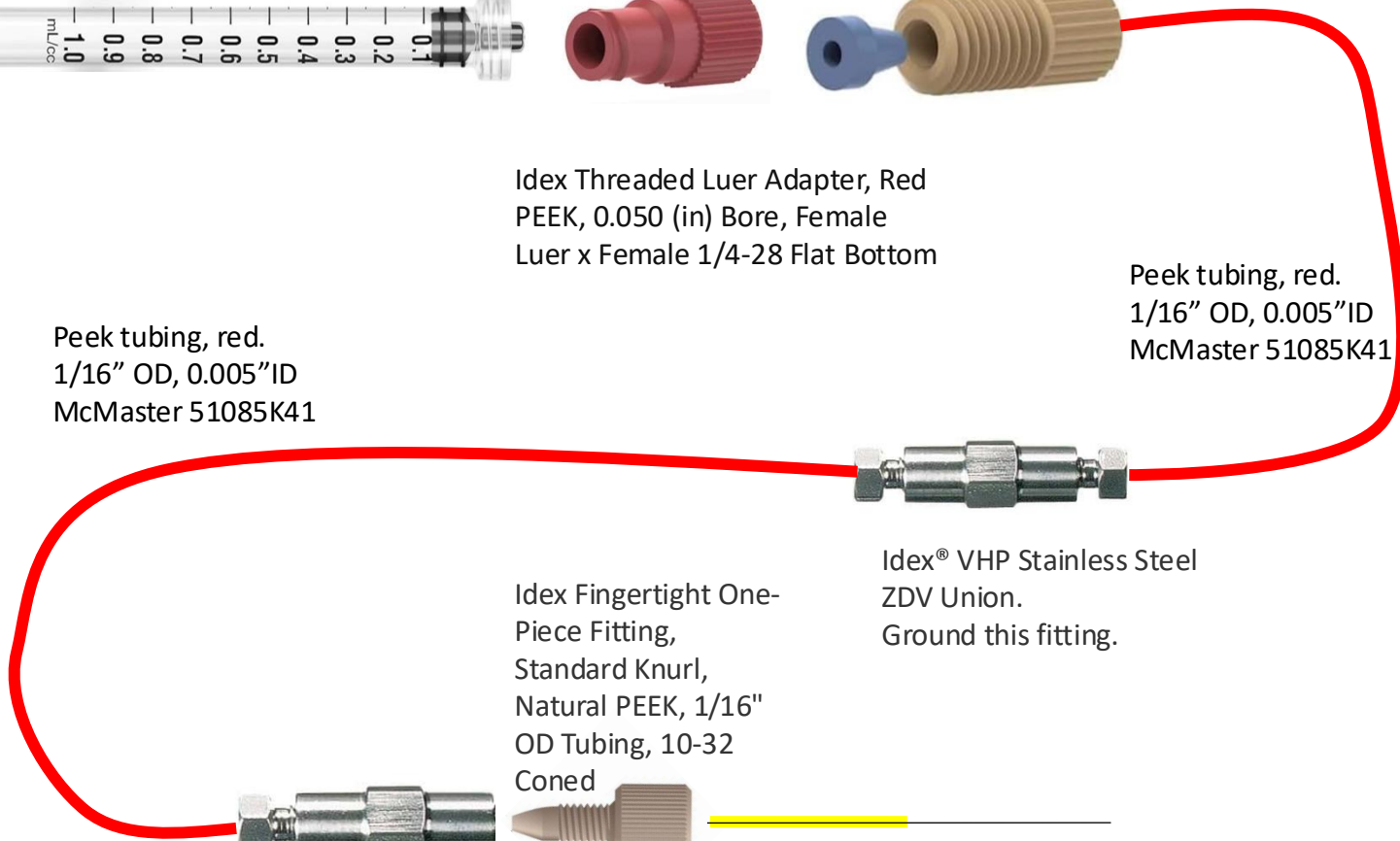
IDEX Threaded Luer Adapter, Red PEEK, 0.050 (in) Bore, Female Luer x Female 1/4-28 Flat Bottom



IDEX Flangeless Fitting, Headless, Natural PEEK, 1/16 (in) OD Tubing, 1/4-28 Flat Bottom

Peek tubing, red. 1/16" OD, 0.005" ID McMaster 51085K41

Peek tubing, red. 1/16" OD, 0.005" ID McMaster 51085K41



IDEX® VHP Stainless Steel ZDV Union. Apply ESI voltage to this fitting.

IDEX® VHP Stainless Steel ZDV Union. Ground this fitting.

IDEX Fingertight One-Piece Fitting, Standard Knurl, Natural PEEK, 1/16" OD Tubing, 10-32 Coned

Peek tubing, yellow. 1/16" OD, 0.007" ID McMaster 51085K42

Digikey 900-1068150015-10M-ND. 150 um OD, 50 um ID Silica, Polyimide Coated

ESI tip preparation

Peek tubing, yellow.
1/16" OD, 0.007" ID
McMaster 51085K42

Digikey 900-1068150015-10M-ND.
150 μ m OD, 50 μ m ID
Silica, Polyimide Coated

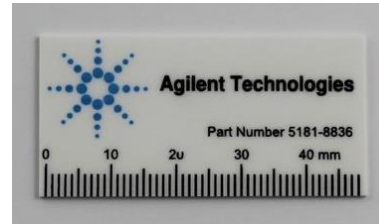


~1cm long



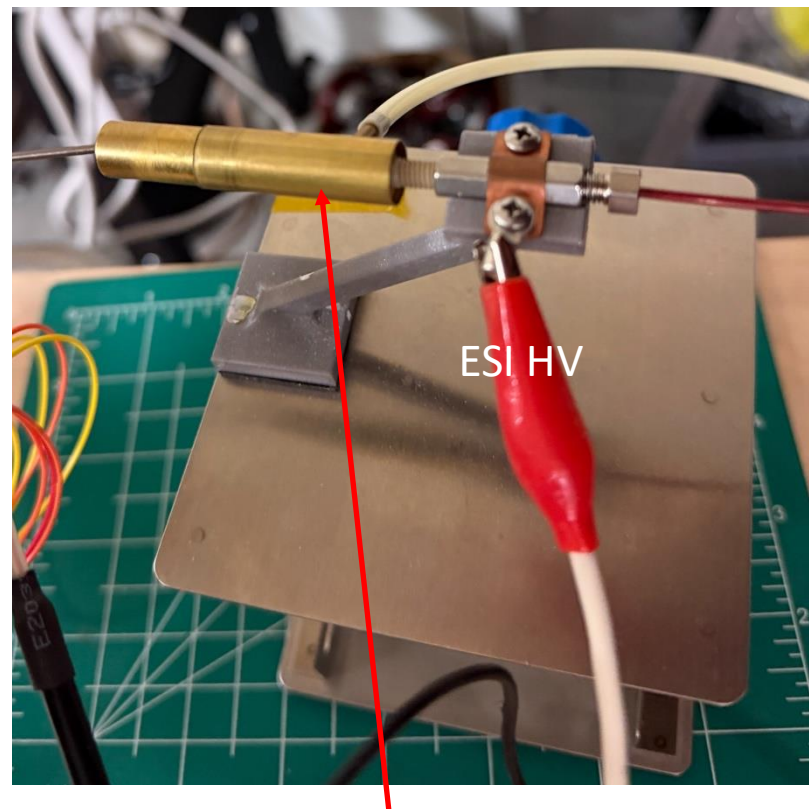
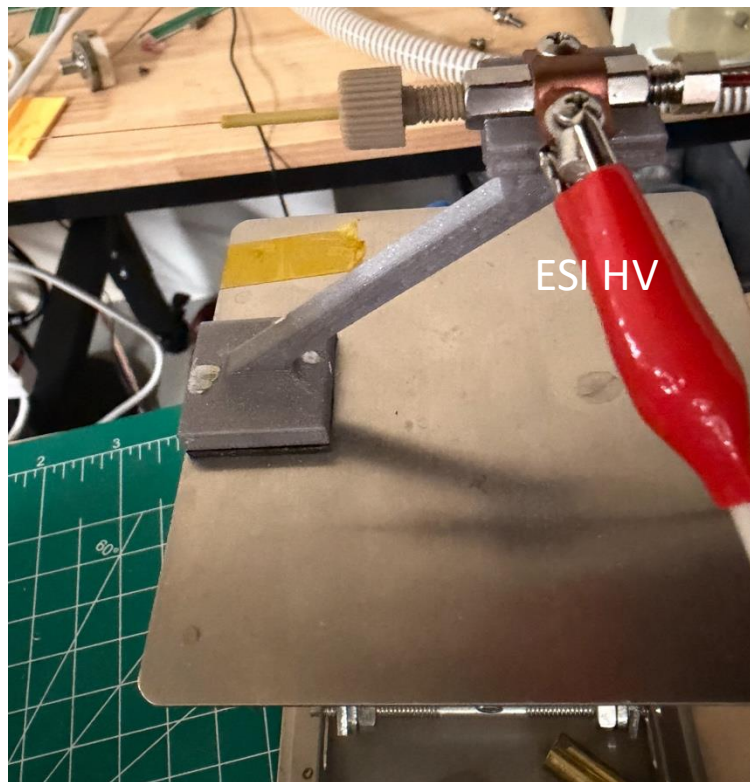
Cut spray tip to
desired length, use
Ceramic column
cutter, scribe across
tube and break

- 1.) Cut yellow peek tube to length
- 2.) Cut capillary to desired length
- 3.) Insert capillary in peek tube
- 4.) Use lighter stick to burn the Polyimide coating from the capillary tubing. Do not melt the capillary, remove about 5mm of the Polyimide coating.



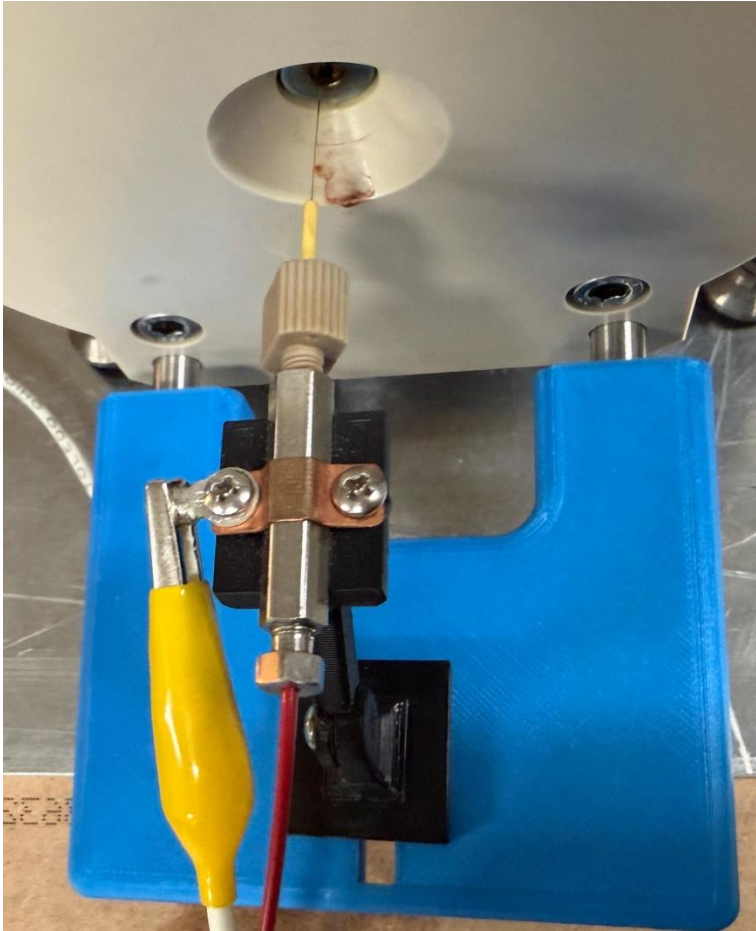
Lighter stick

ESI emitter holder options, 3D printed

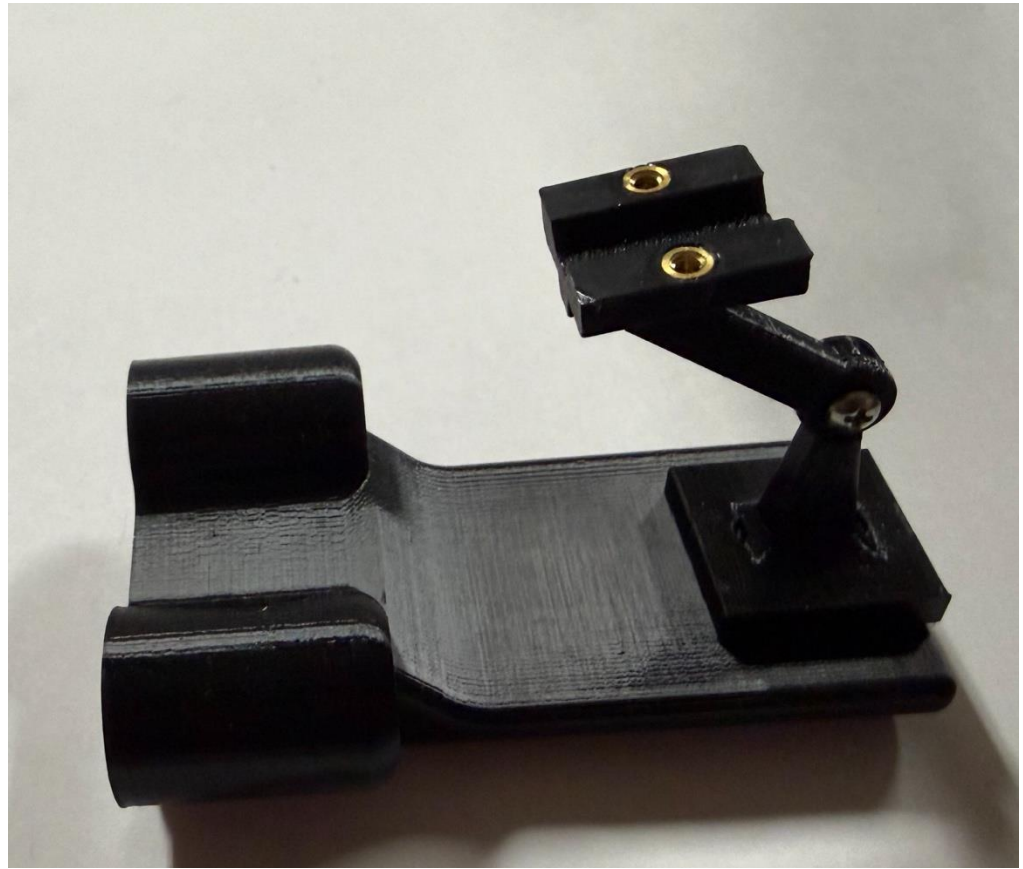


N2 pulse shield, brass tubing with gas supply port.

ESI emitter holder options, 3D printed



ESI emitter holder designed for MSQ



ESI emitter holder 3D models



Step files and obj files available for download.