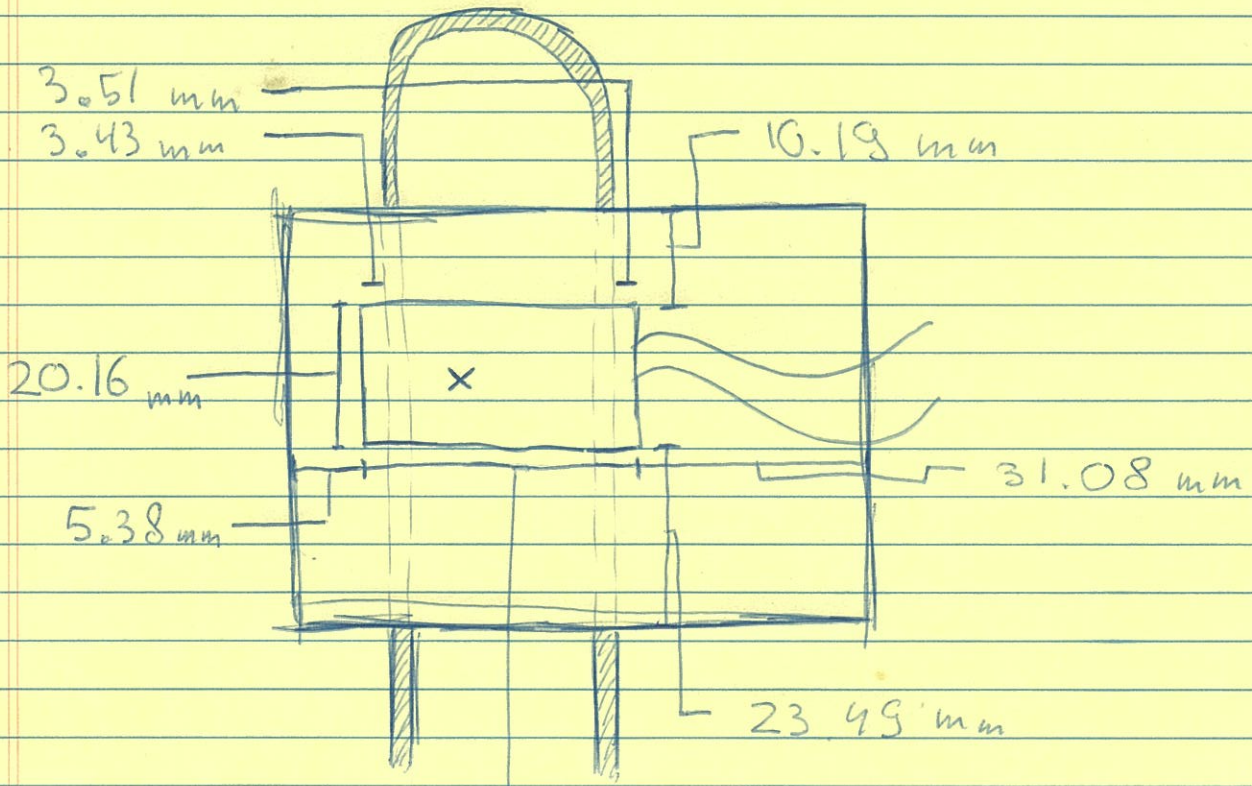
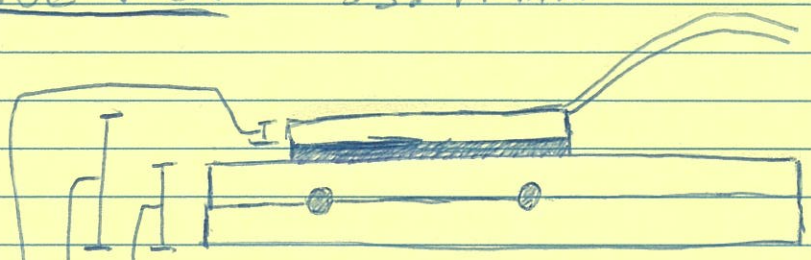
Plaquette: top view



Side view



avg. 4.6025 mm
max-min: 0.37 mm

avg. 6.0525 mm
max-min: 0.28 mm

reference: 1.397 mm
(55 mM)

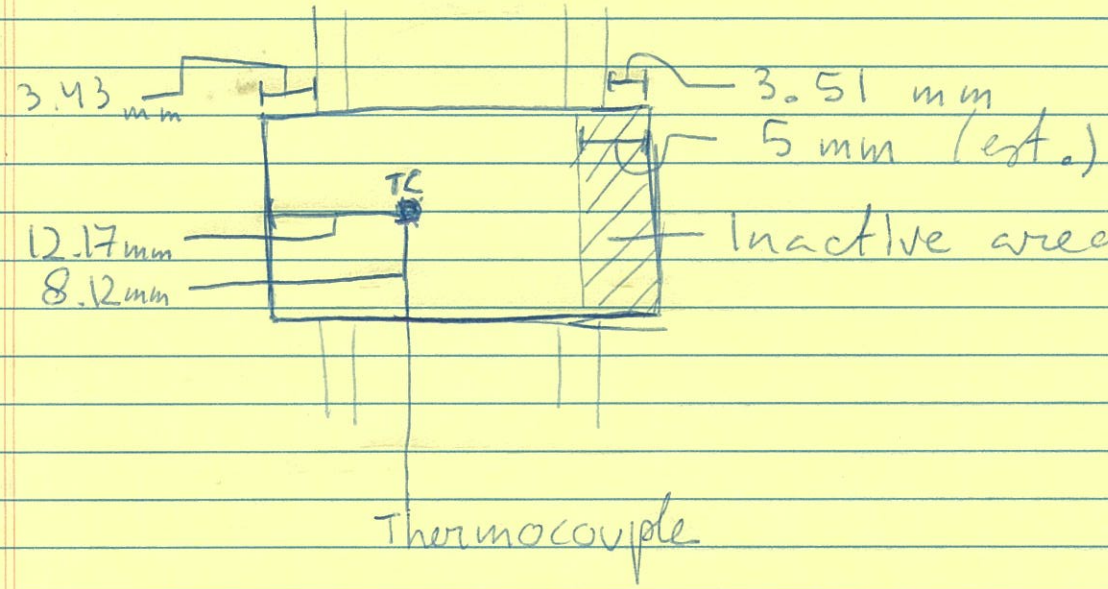
$G = T - P - H$
$= 0.053$ mm
$= 53\ \mu m$

Plaquette area:

~~5.38~~ + 35.44 + 31.08 = 71.90 mm
10.19 + 20.16 + 23.49 = 53.84 mm

measured total:
72.83 mm
53.58 mm

Heater: top view



Heater area: 35.44 mm × 20.16 mm
= 714.47 mm²

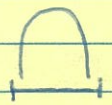
However, the bottom part of the heater does not contribute to the heating. Based on thermal images of the heater at various power settings, this inactive area was estimated to be 0.5 mm wide.

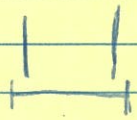
The area used for the 'active heater' is
20 mm × 30 mm = 600 mm².

One might additionally want to discount thin strips along the other edges; however, I do not think this necessary.

Tube measurements.

Outer tube to outer tube:

 : 27.91 mm

 : 27.96 mm

 : 3.13 mm, 3.29 mm
(diff. from 3.0 probably due to paint)