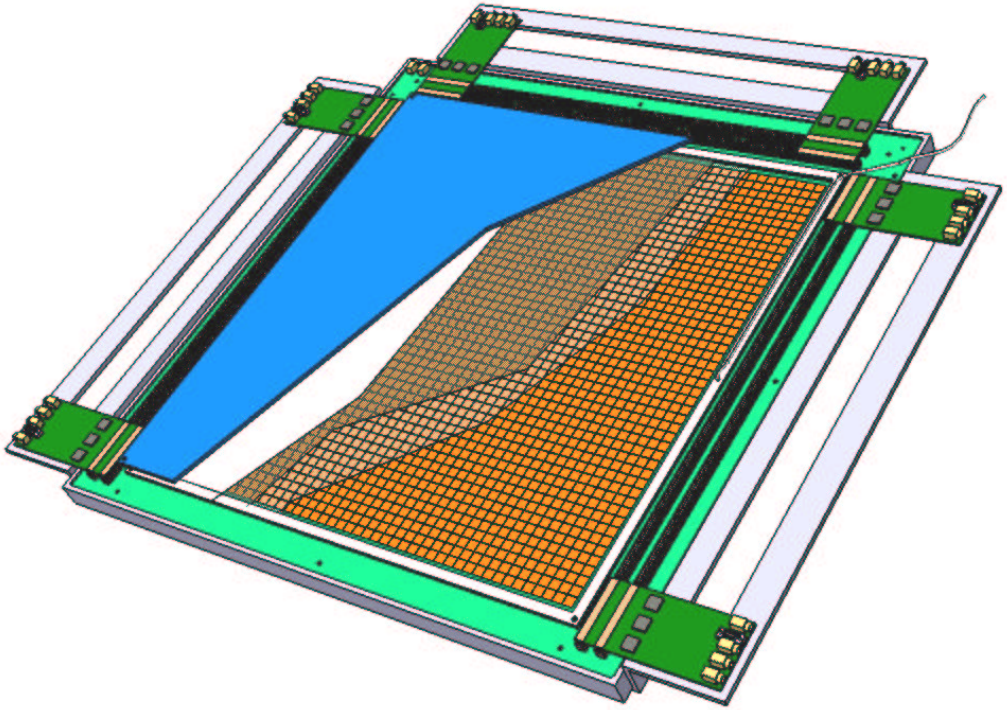
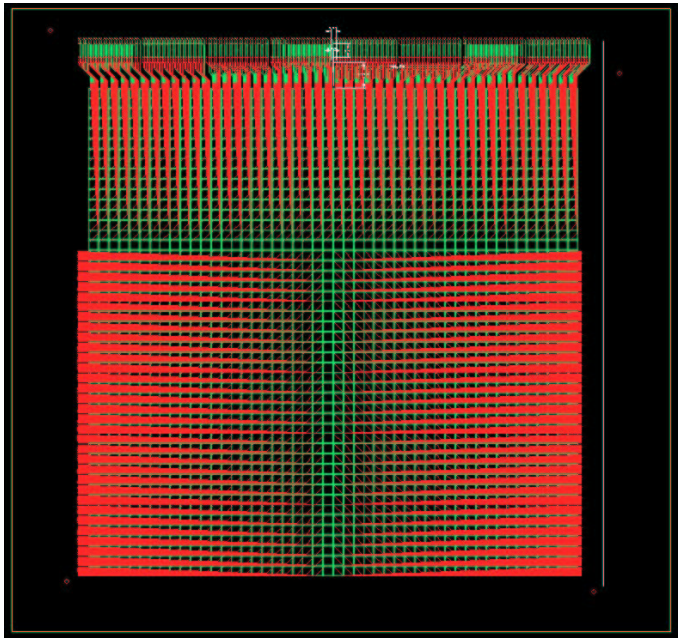
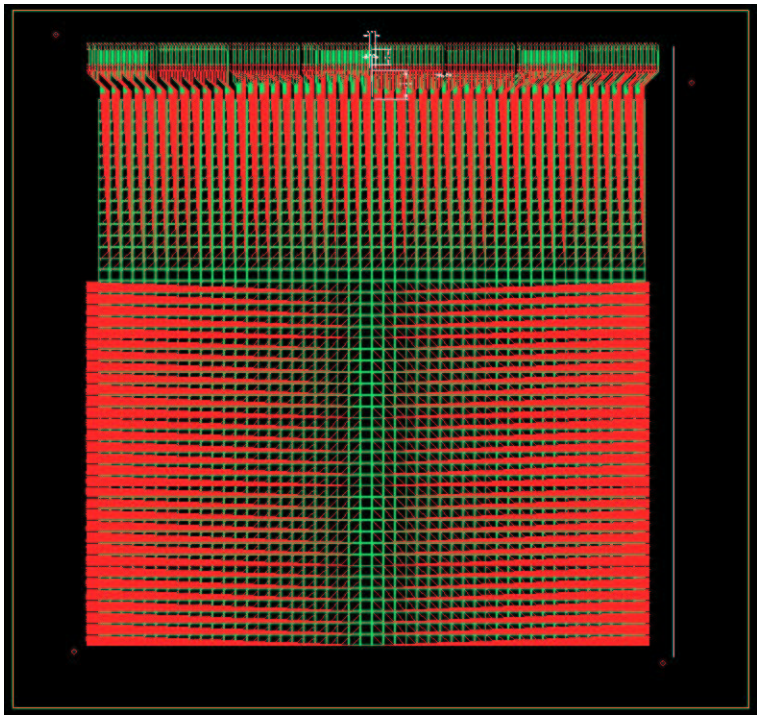
R&D Micromégas «LAPP»



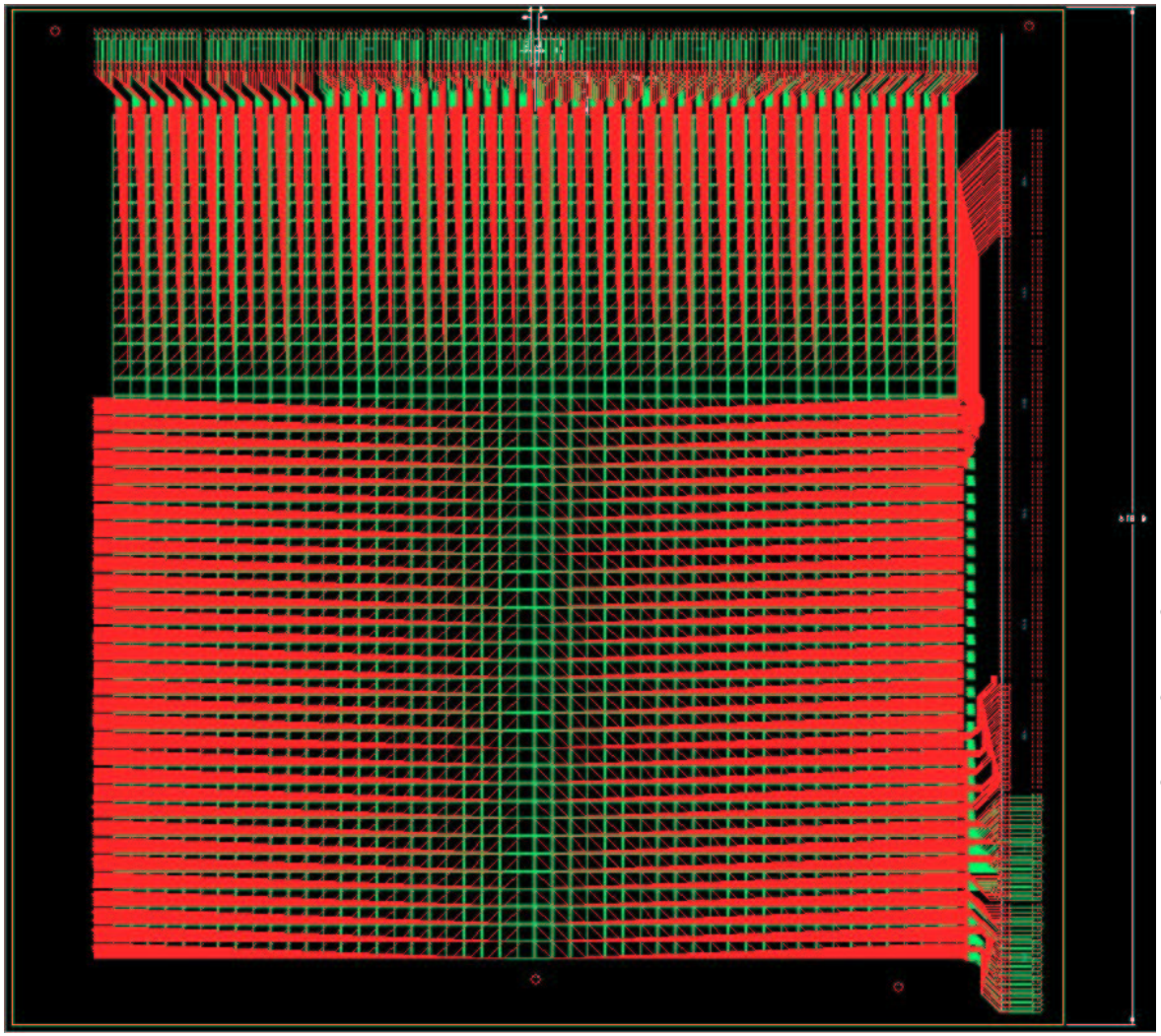


PCB Description



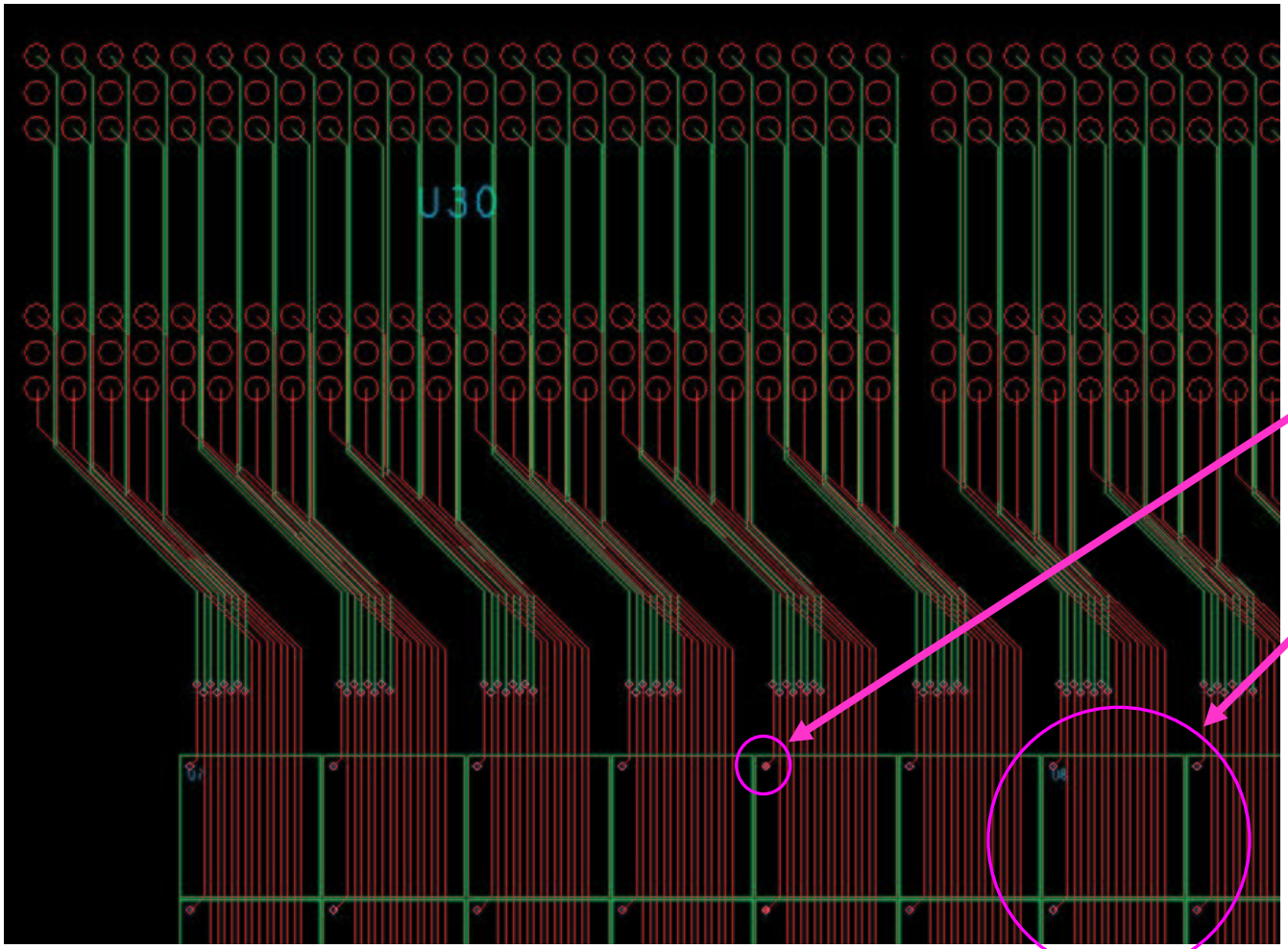
- Material FR4 Époxy
- Constraint min 120 µ
- Thickness 1.6 mm
- 2304 nets + 2 * HT
- Layers number : 3
- Dimension 600x610 mm2

Milestones



- 1 full week job
- 2/3 finished
- Gerber files by the end of May

Description des pads

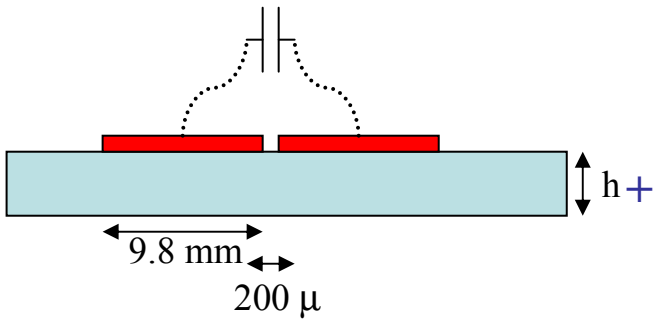


Via = V20

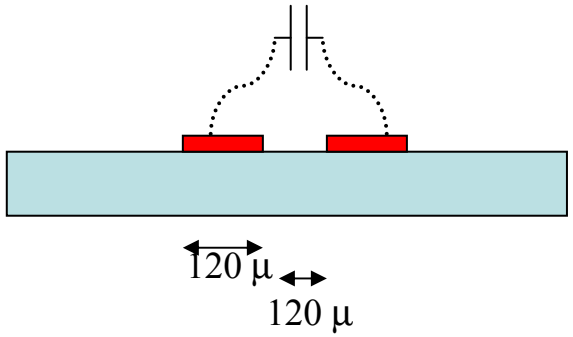
Pad 9.8*9.8 mm2

Parasitic capacitance study

Pad to Pad

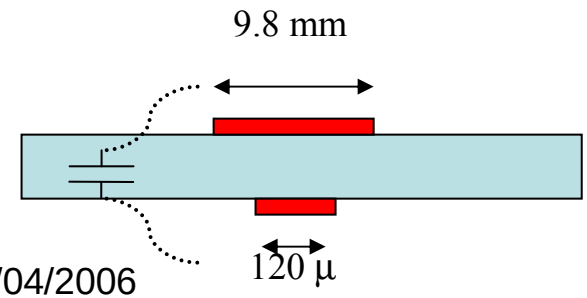


Line to Line



h ↗ ⇨ C ↗

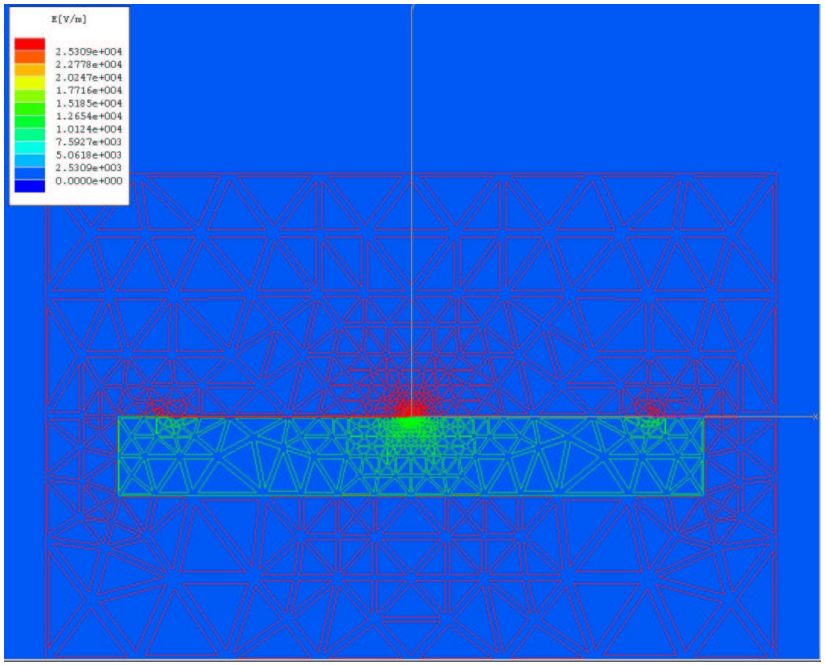
Pad to Line

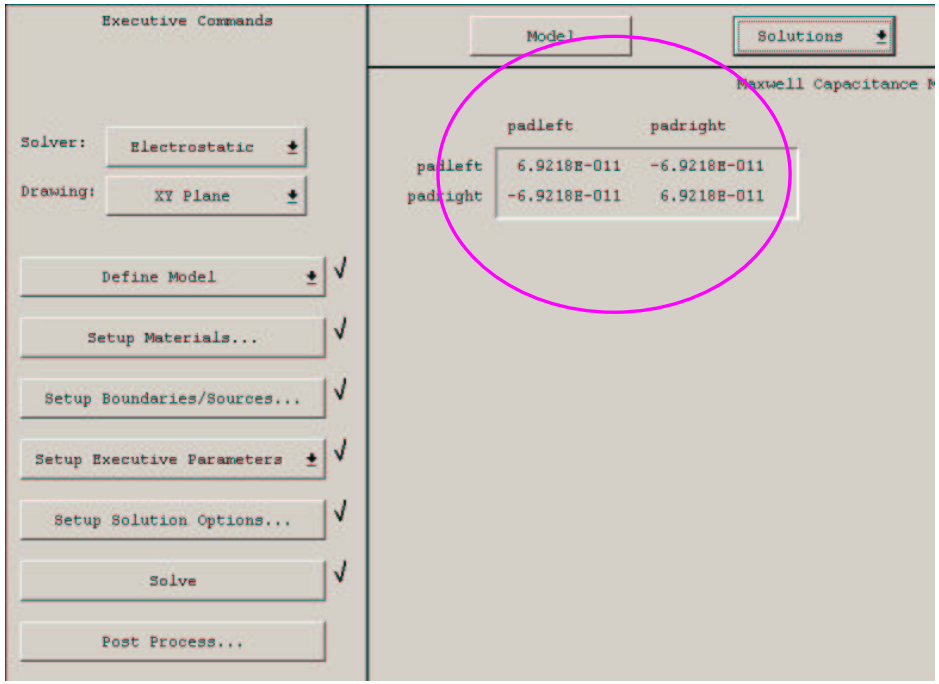


Capacitance = Noise

h ↗ ⇨ C ↘

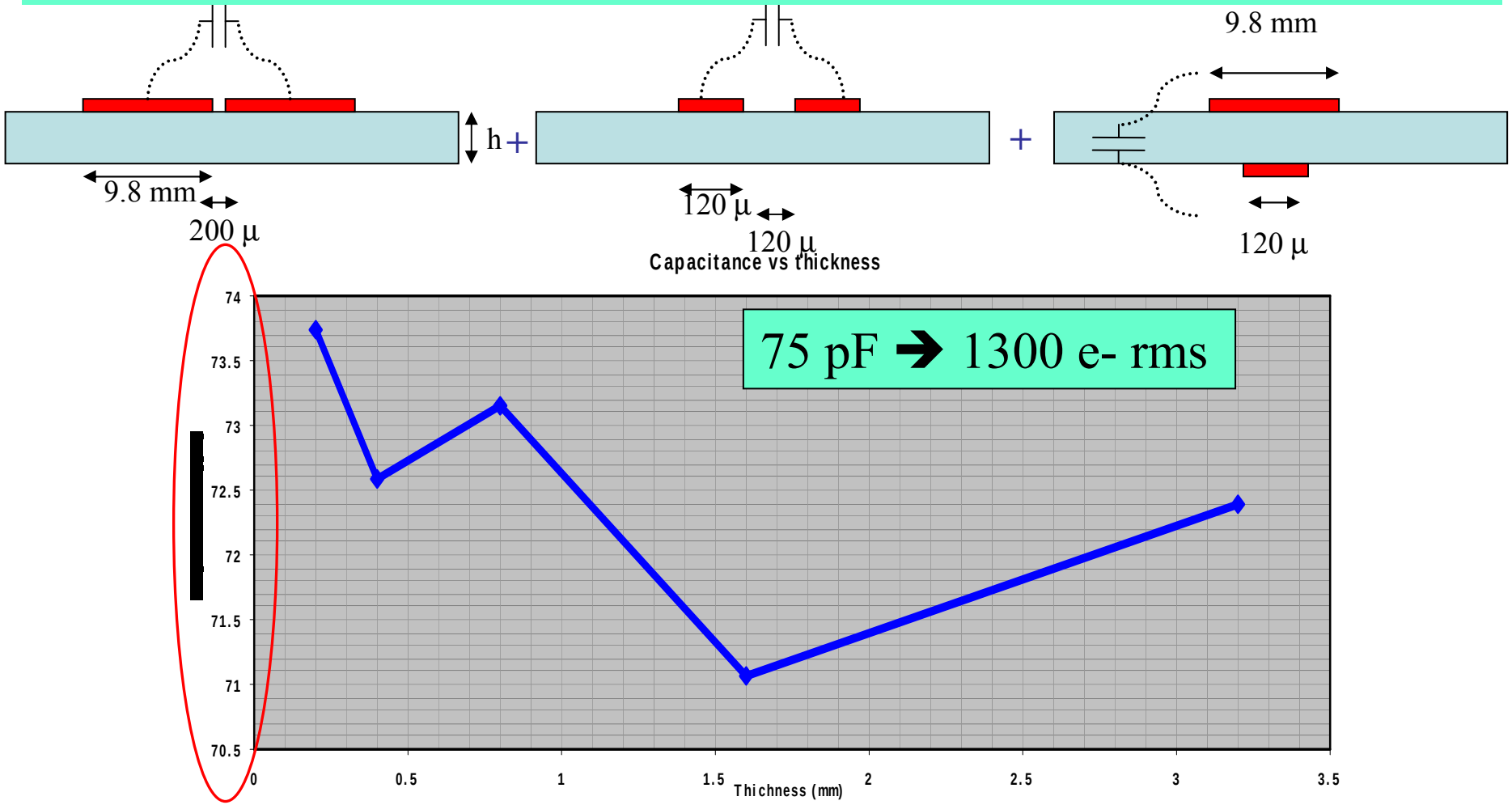
Parasitic capacitance study





Maxwell software = theoritical calculation +/- 5 %

Thickness influence



In this configuration thickness = no major influence