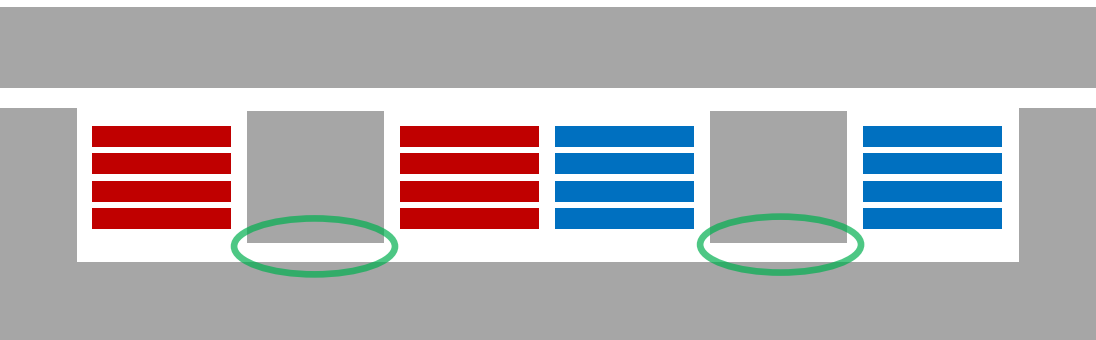
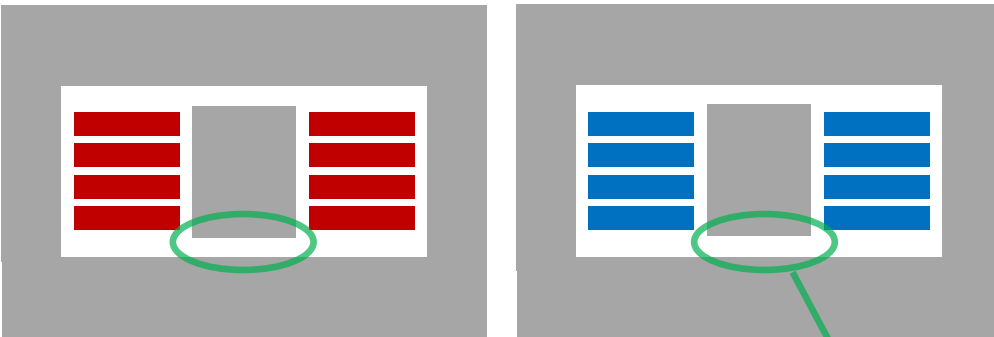


(a) Double-PQ with Dual Air Gap

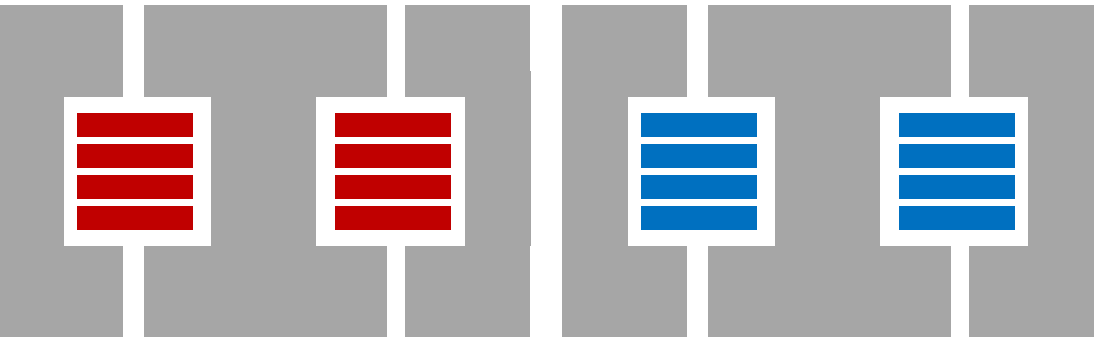


(b) Four-Pole with Dual Air Gap

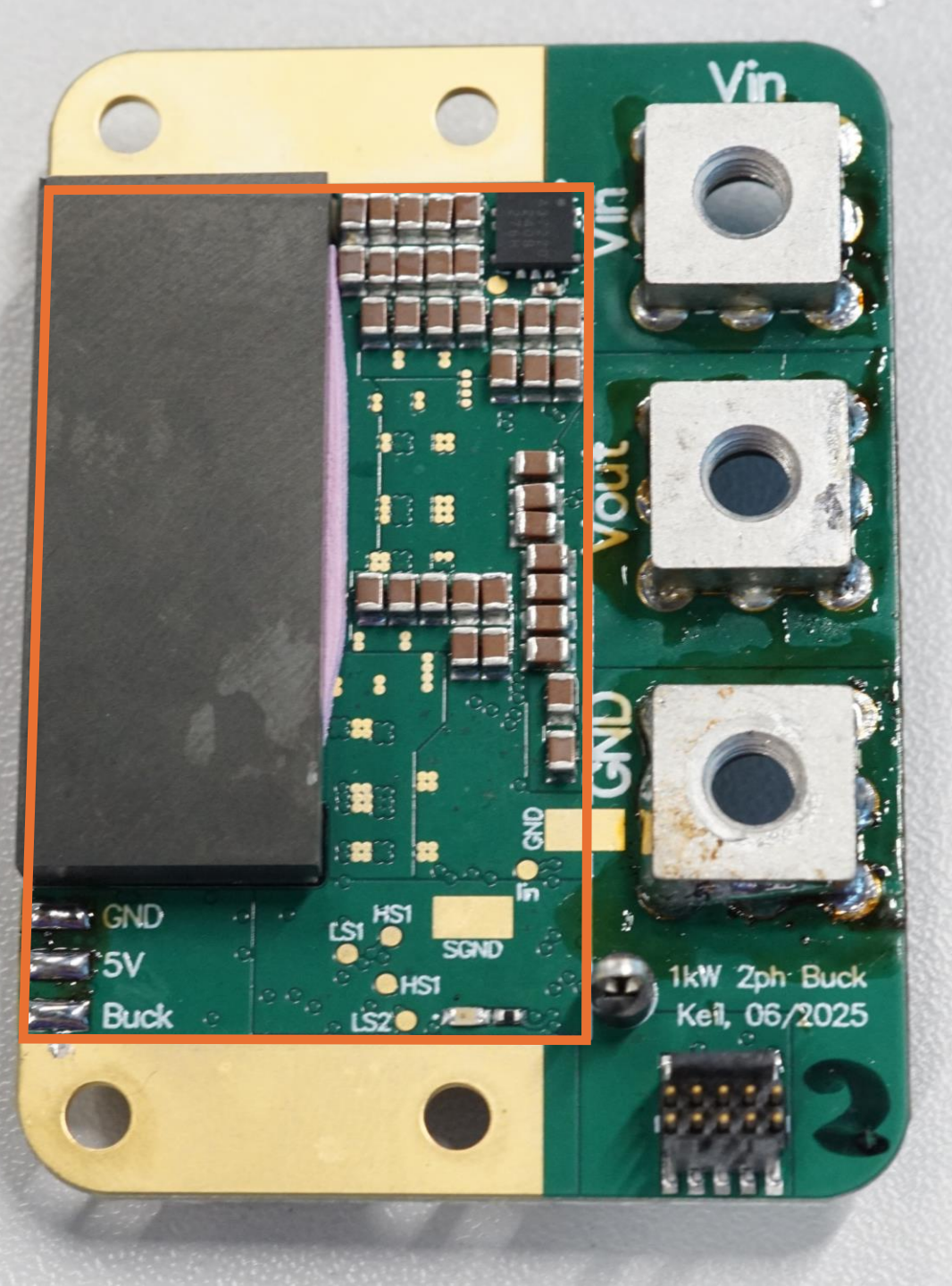
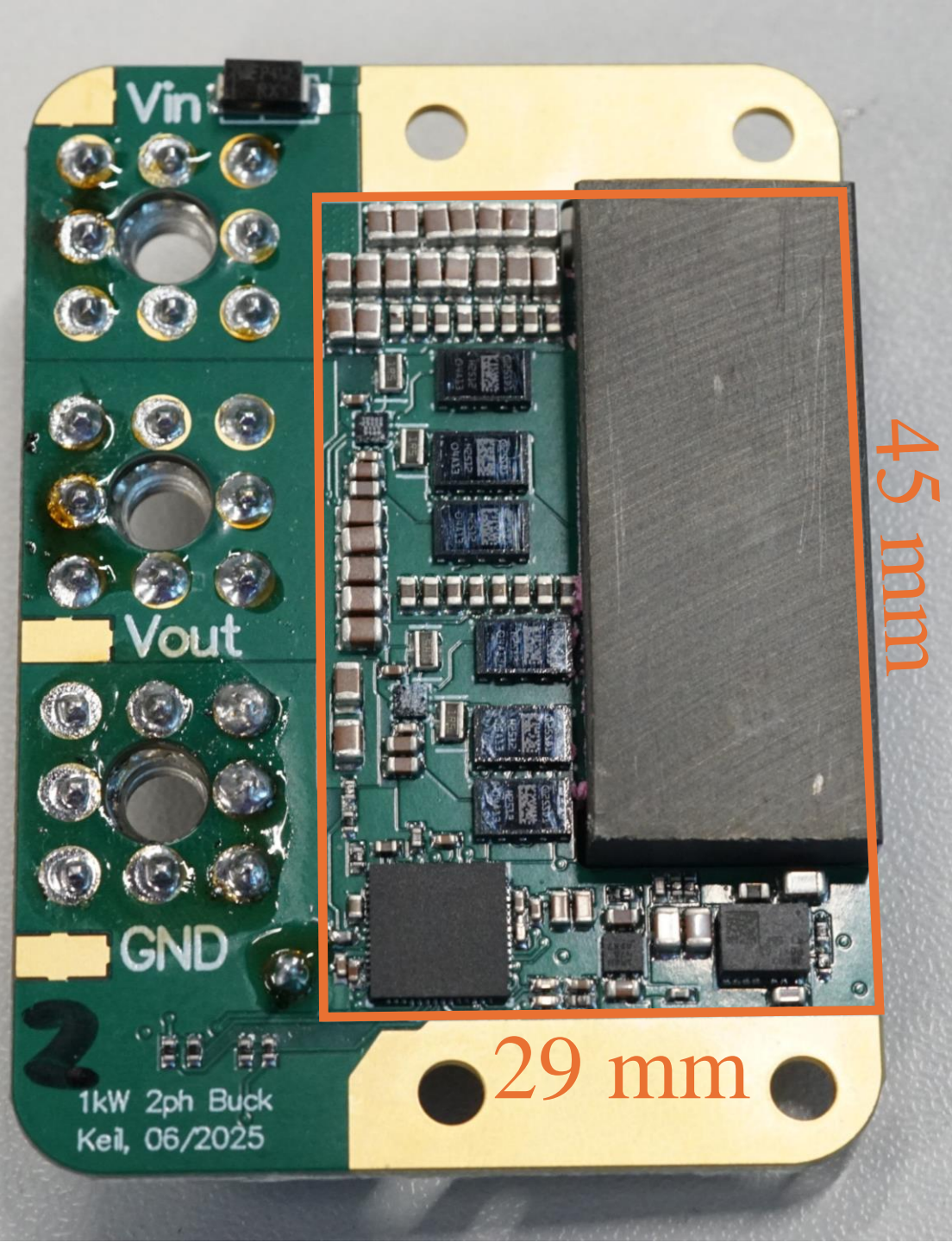


(c) Modified EE

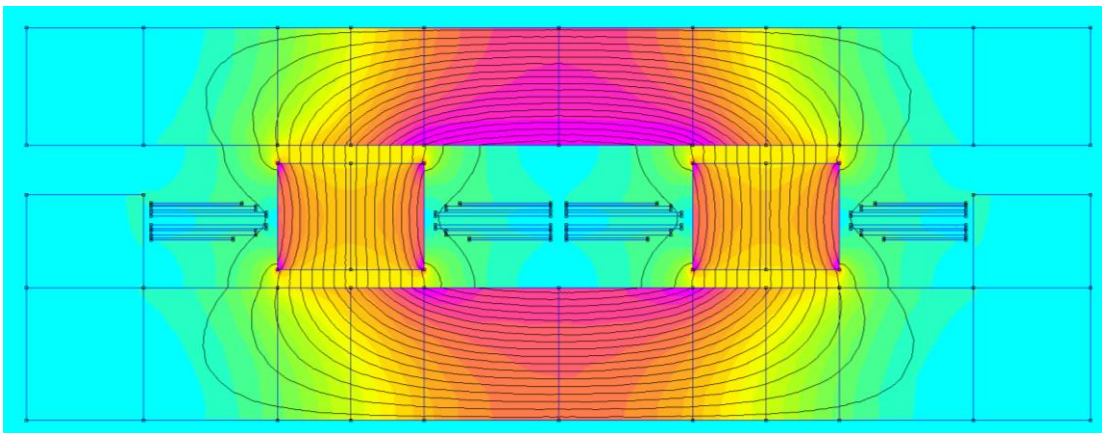
Additional Air Gap



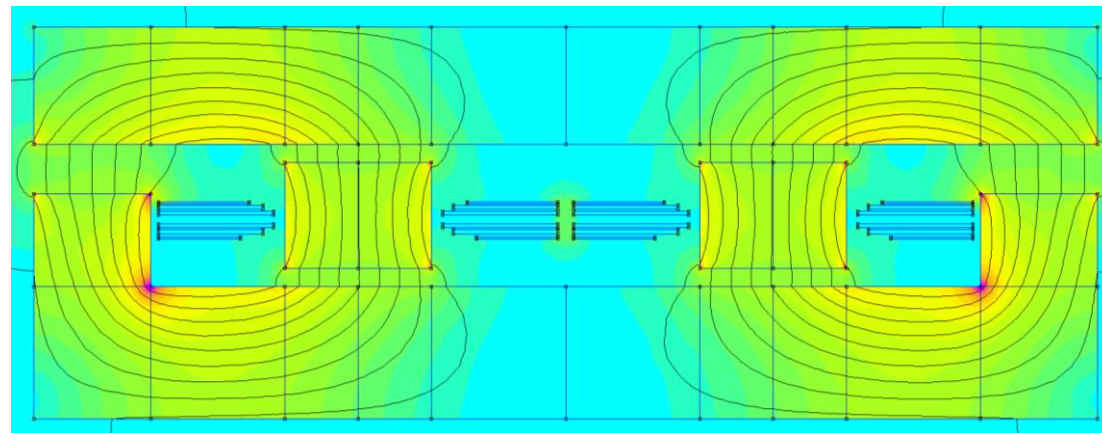
(d) Vertical Gap



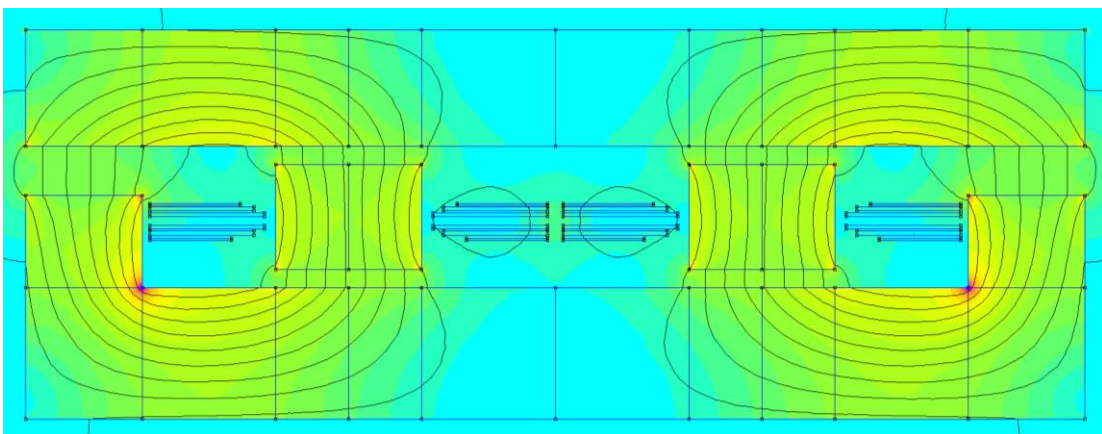




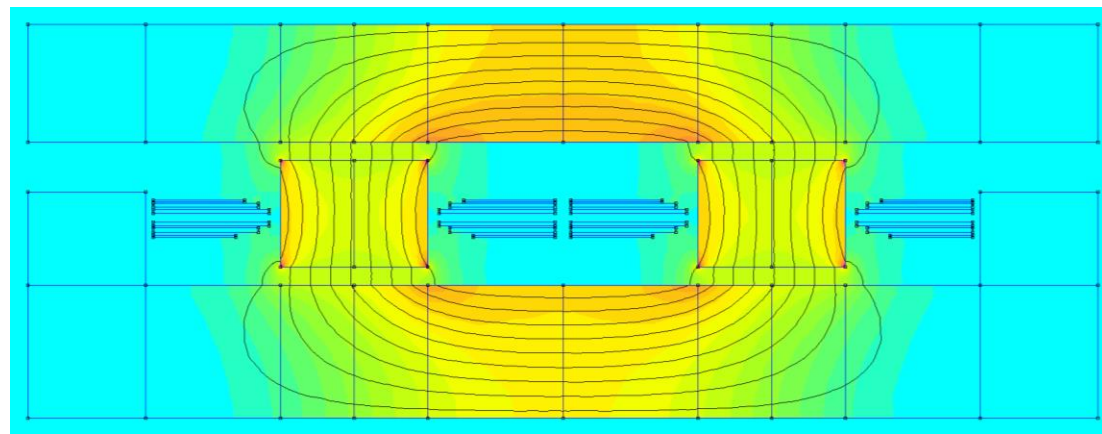
(a) Pos. Coupling DC



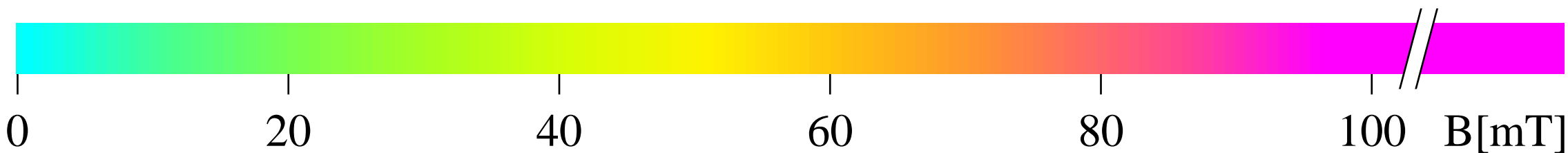
(b) Pos. Coupling Fundamental

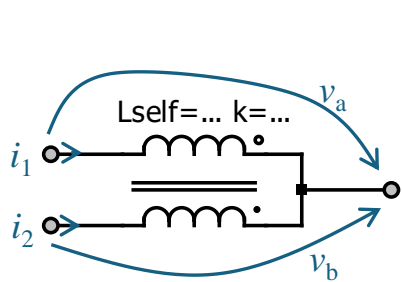


(c) Neg. Coupling DC

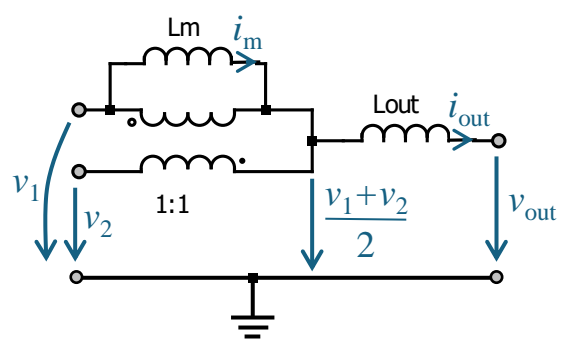


(d) Neg. Coupling Fundamental





(a) Coupled Inductor



(b) Transformer Model