

$$\partial_D \Omega: A_z = 0$$

Surrounding air

$$\mu = \mu_0$$

Aluminum shield

$$\downarrow \otimes I_S$$

Air

$$\mu = \mu_0$$

Aluminum conductor

$$\downarrow \odot I_C$$

PCB

$$\mu = \mu_0$$

$$\partial_N \Omega: \frac{\partial A_z}{\partial n} = 0$$