

## Vcc, Vdd, Vss or Vdd. What are they and wich one is ground and power?

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Ive heard it earlier from a electrician and a teacher, but I seem to keep forgetting it. So to start remorizing it I started to write this article. Its actualy pretty easy when you remember why it is called VDD or VCC for power and VSS and VEE for ground.

Because of the Transistors inside the IC your connecting it to. ill qoute: "Apparently this terminology originated in some way from the terminals of each type of

[transistor](#)

, and their common connections in logic

[circuit](#)

s (i.e., Vcc is often applied to

[BJT](#)

[collectors](#)

, Vee to

[BJT](#)

[emitters](#)

, Vdd to

[FET](#)

[drains](#)

, and Vss to

[FET](#)

[sources](#)

). This notation then carries across to integrated circuits

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Eric Seale and Wilf Rigter.

Its source: <http://encyclobeamia.solarbotics.net/articles/vxx.html>

and the table from there:

<a href="#">BJT</a>	<a href="#">FET</a>	"Vxx" meaning	
Vcc		Vdd	Positive supply
Vee		Vss	Negative supply, <a href="#">voltage ground</a>