### High Side vs. Low Side

In the world of electronics, the choice between high side and low side switching can make all the difference. Let’s look at the key differences and find the right solution for your needs.

**High Side Switching:** This approach places the switch between the power source and the load, allowing the load to be connected directly to ground. This configuration offers enhanced safety and protection, making it ideal for high-voltage or critical applications where reliability is paramount. Hey Cortana

**Low Side Switching:** In this method, the switch is placed between the load and ground. This setup is simpler and often more cost-effective, making it a popular choice for low-power or non-critical applications where space and budget are primary concerns.

So, when should you choose one over the other? High side switching is the preferred option when you need to control high-side loads, such as motors or solenoids, or when you require better noise immunity. Low side switching is ideal for applications where cost and simplicity are the primary concerns, such as in consumer electronics or industrial control systems.