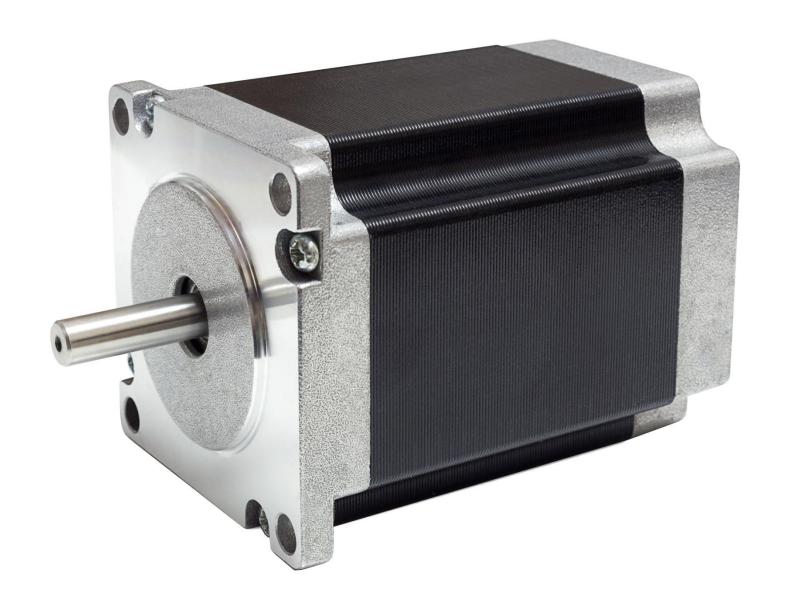
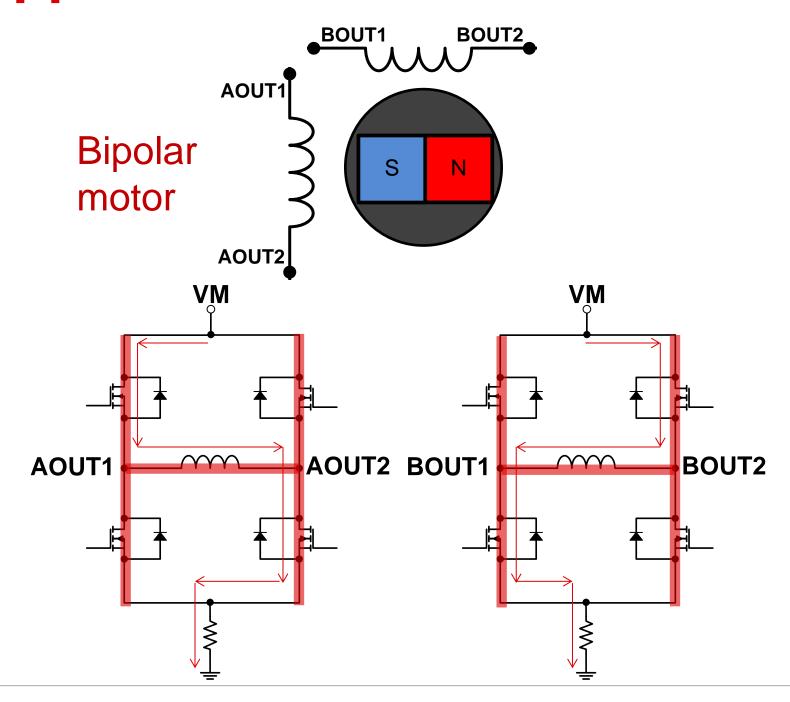


What is a stepper motor?

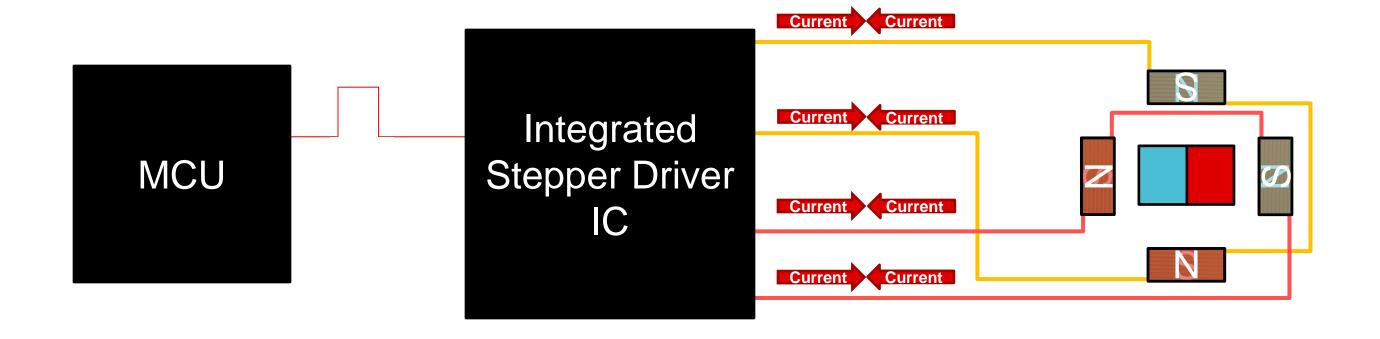
- Basic function: uses electrical signals to control rotor position
- Advantages:
 - Hold rotor in place for long periods of time
 - Precise positioning without sensors
 - Low cost
 - Easy to control



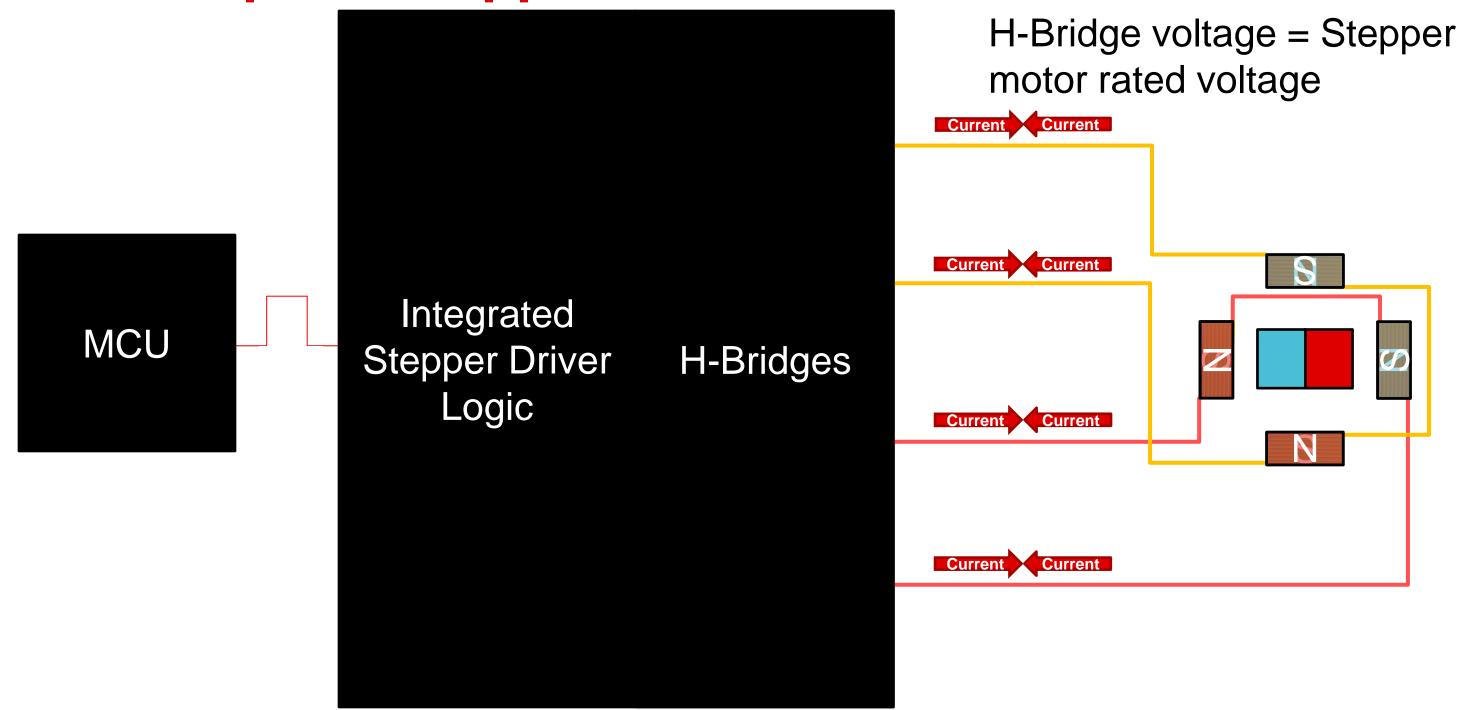
Bipolar steppers



Basic stepper driving

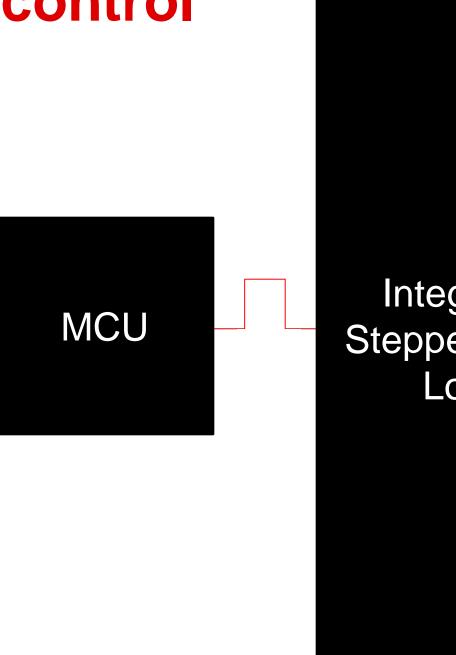


Basic bipolar stepper drive circuit



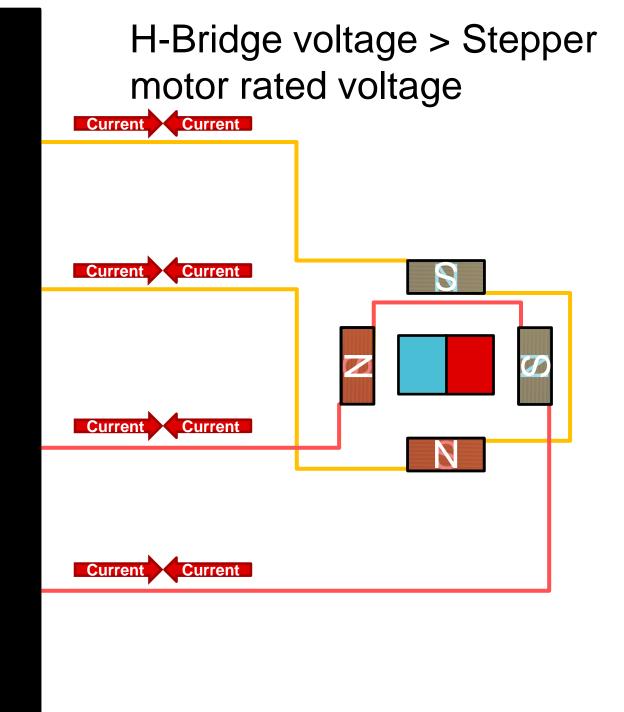
Advanced bipolar stepper drive circuit with current

control



Integrated Stepper Driver Logic

H-Bridges



To find more stepper driver technical resources and search products, visit http://www.ti.com/motor-drivers/stepper-driver/overview.html



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Resources

• [1] "Technology – Stepper Motors and Drivers" www.orientalmotor.com