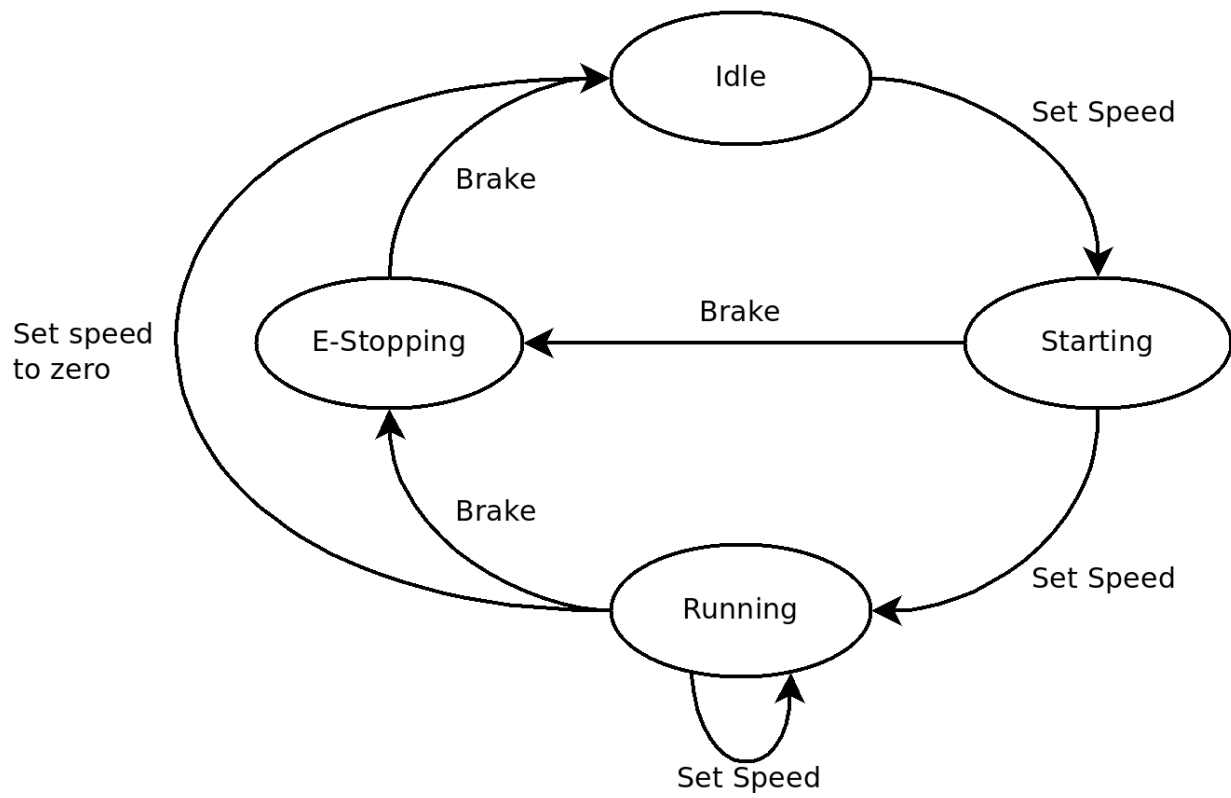
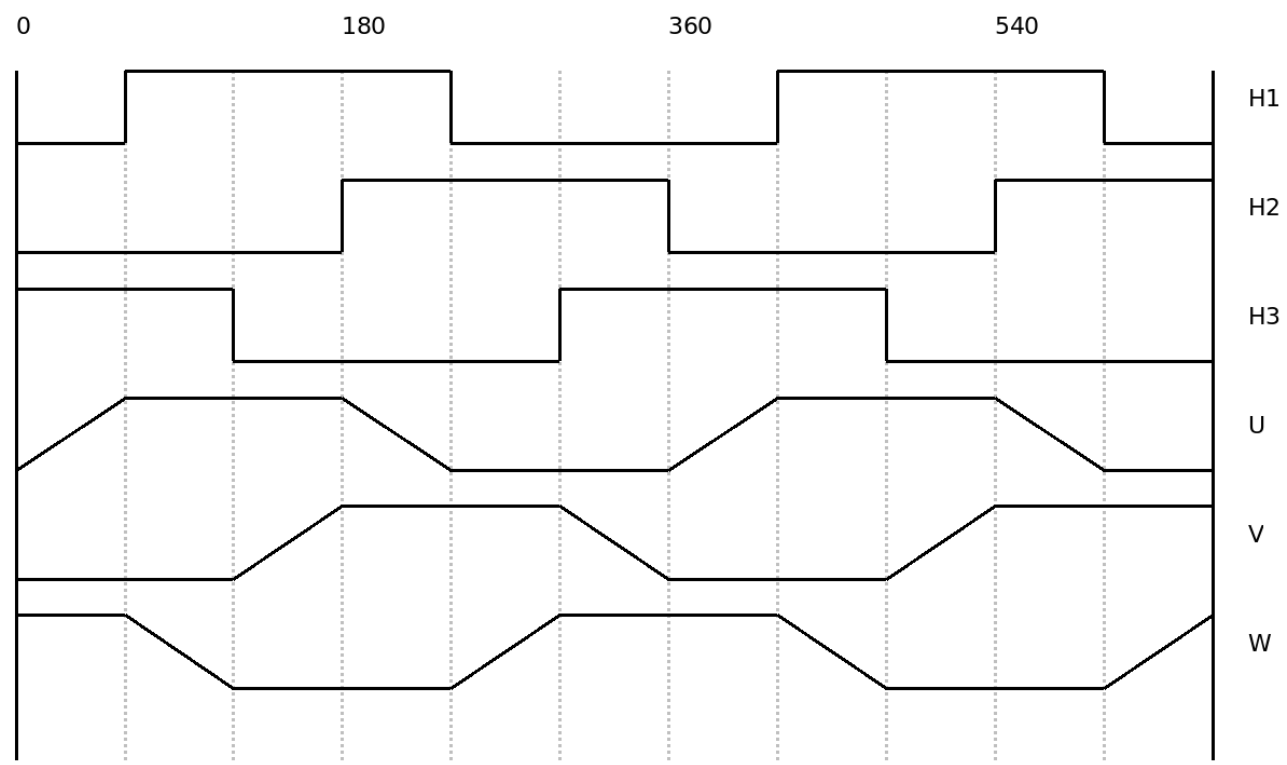


Motor State Diagram



Motor Phase Diagram



Tiva pinouts and associated functions

Pin port and number	Peripheral	Function	DB25 pin	Purpose
Analog In 0			1	24V_Current_3v3
GND			4	GND
PL1	I2C2SCL	I2C Clock	5	SCL
PL0	I2C2SDA	I2C Data	6	SDA
PL2			7	OTW
PL3			8	H1
PL4	T0CCP0	PWM	9	RESET_C
PL5	T0CCP1	PWM	10	RESET_B
PP5			11	H3
PP4			12	H2
PM2	T3CCP0	PWM	19	PWM_A
PM1	T2CCP1	PWM	20	PWM_B
PM0	T2CCP0	PWM	21	PWM_C
PA7	T3CCP1	PWM	23	RESET_A
PC6			24	FAULT