Application

Button Motor

DIO PWM Timer

Micro controller

sint8\_t DIO\_init(ST\_DIO\_config\_t\* configurations);

sint8\_t DIO\_write(uint8\_t port,EN\_pins pin, uint8\_t data);

sint8\_t DIO\_read(uint8\_t port,EN\_pins pin, uint8\_t \*data);

sint8\_t DIO\_toggle(uint8\_t port,EN\_pins pin);

sint8\_t PWM\_init(ST\_PWM\_config\_t\* configurations);

sint8\_t PWM\_start(EN\_frequency\_t frequency, EN\_duty\_t dutyCycle);

sint8\_t PWM\_stop();

sint8\_t TIMER\_init(ST\_TIMER\_config\_t\* configurations);

sint8\_t TIMER\_read(uint64\_t value);

sint8\_t TIMER\_set(uint8\_t value);

sint8\_t TIMER\_checkStatus(uint8\_t status);

sint8\_t TIMER\_stop(EN\_TimerNumber\_t);

sint8\_t MOTOR\_init(uint8\_t direction,uint8\_t speed);

sint8\_t MOTOR\_speed(uint8\_t speed);

sint8\_t MOTOR\_checkStatus(ST\_MOTOR\_status status);

sint8\_t MOTOR\_stop();

sint8\_t BUTTON\_init(ST\_Button\_config\_t\* configurations);

sint8\_t BUTTON\_checkStatus(uint8\_t status);