

#### **APPLICATION**

### **APP APIs**

E\_status CAR\_init(void);

### **ECUAL APIS**

## **BUTTON**

- E\_status Button\_Init(ST\_ButtonConfig\_t \* config);
- E\_status Button\_getState(uint8\_t\* u8\_state);
- E\_status Button\_Update(void);

### **MOTOR**

- E\_status MOTOR\_init(void);
- E\_status MOTOR\_setDirection(EN\_Direction\_t dir);
- E\_status MOTOR\_setSpeed(EN\_Speed\_t duty);
- E\_status MOTOR\_Stop(void);

# DIO MCAL APIS

- E status DIO init(ST DIO config t\* config);
- E\_status DIO\_write(uint8\_t port, EN\_pins pin, uint8\_t data);
- E\_status DIO\_read(uint8\_t port, EN\_pins pin, uint8\_t \*data);
- E\_status DIO\_toggle(uint8\_t port, EN\_pins pin);

### **TIMER**

- E\_status TIMER\_init(ST\_TIMER\_config\_t\* config);
- E\_status TIMER\_read(EN\_Timer\_t timer, uint16\_t \*value);
- E\_status TIMER\_set(uint8\_t value);
- E\_status TIMER\_checkState(EN\_Timer\_t timer, uint8\_t \*state);

### **PWM**

- E\_status PWM\_init(ST\_PWM\_config\_t\* config);
- E\_status PWM\_start(EN\_frequency\_t freq, EN\_duty\_t duty)
- E\_status PWM\_stop(void);