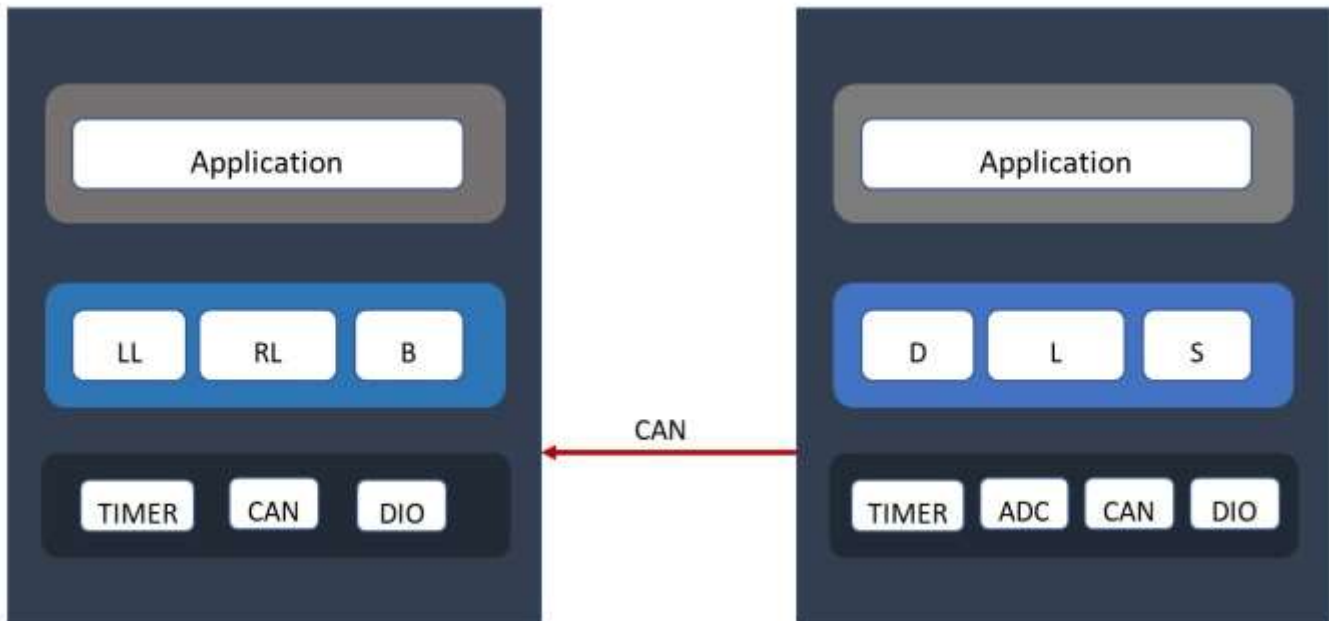
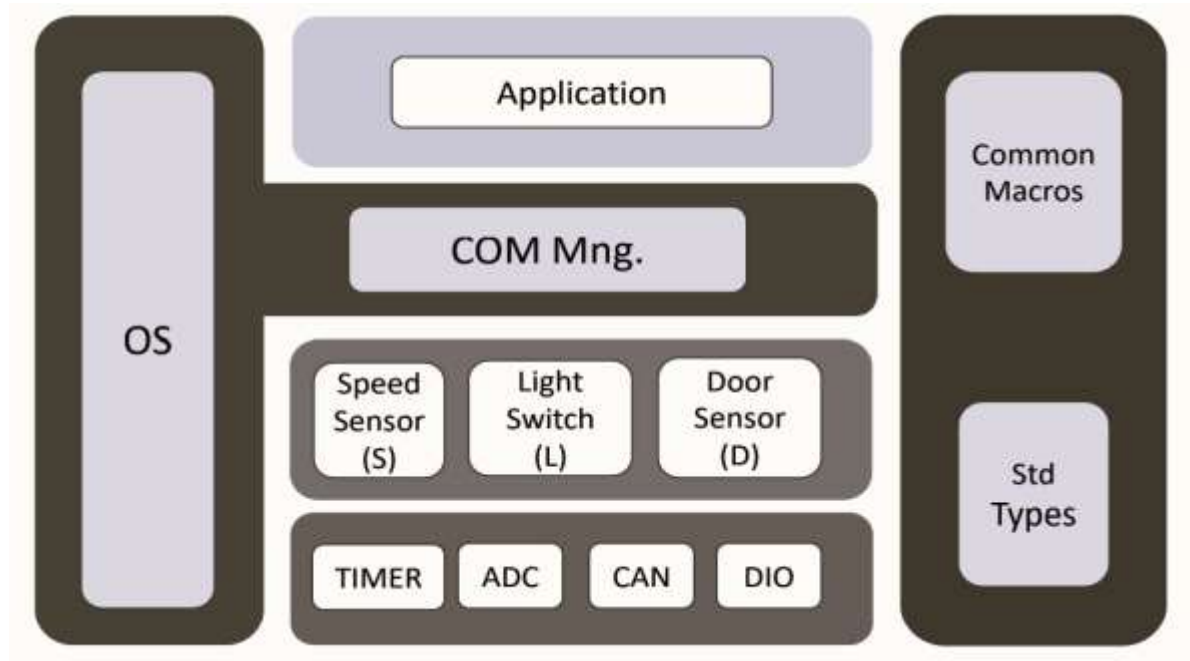
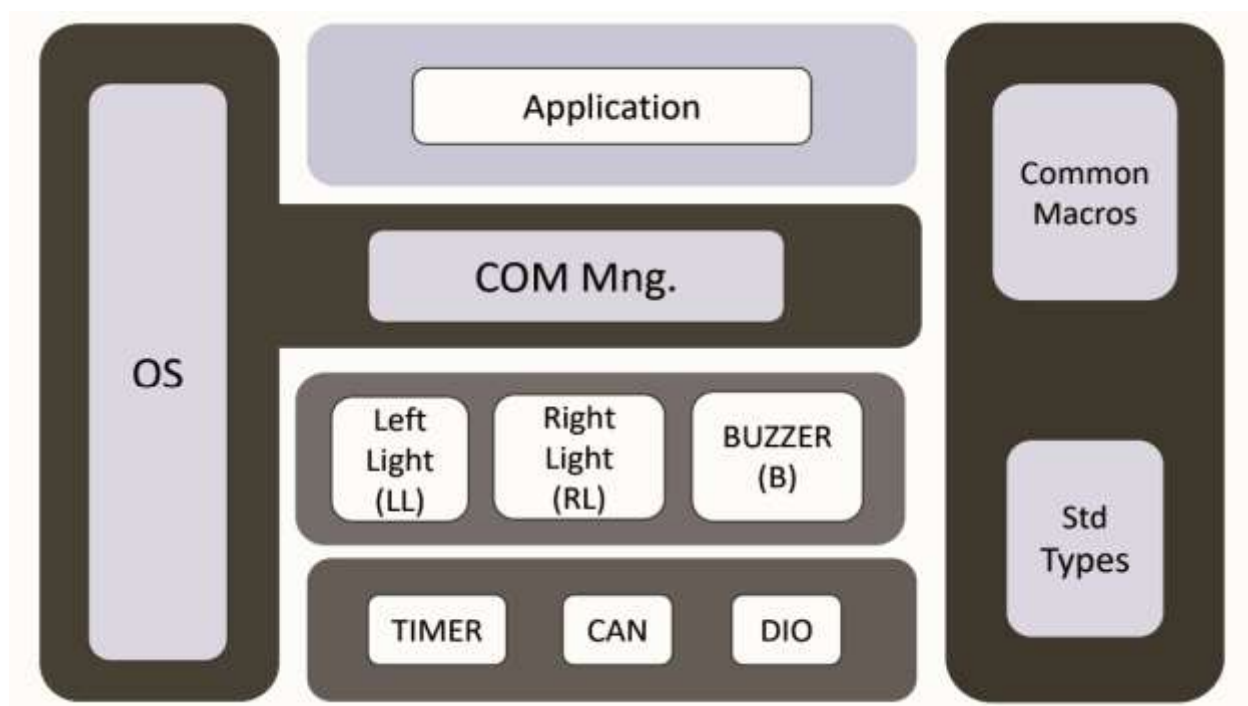


# Static Design





**ECU\_1**



**ECU\_2**

# ECU\_1 APIs and typedefs:

<div><div>DIO</div><div>.....</div><div>arguments</div><div>return</div></div>	APIs		
	DIO_Init()	DIO_Read()	DIO_Write()
	initialize DIO	Reading the channel value	Write on the channel low or high
	PinNumber PortNumber	PinNumber PortNumber	PinNumber PortNumber PinLevel
	none	PinLevel	none
	typedefs		
	PinNumber	PortNumber	PinLevel
	PORTA to PORTF	PIN0 to PIN7	HIGH or LOW

# Timer

arguments

return

APIs		
TIMER_Inti()	TIMER_Start()	TIMER_Stop()
initialize the timer	Start the timer	Stop the timer
TIMER_Channel	TIMER_Channel value	TIMER_Channel
none	none	none
typedefs		
TIMER_Channel		
The channel of the timer		

<div> <div>ADC</div> <div>....</div> <div>arguments</div> <div>return</div> </div>		APIs	
		ADC_Init()	ADC_Read()
		initialize ADC	Reading the channel value
		ADC_Channel	ADC_Channel
		none	value
		typedefs	
		ADC_Channel	
		The channel of the ADC	

CAN	APIs		
	CAN_Init()	CAN_Baudrate()	CAN_SendData()
	initialize the CAN	Set the baudrate to CAN	Send the data by the CAN
	CAN_ReceiveData()		
	Receive data from CAN		

<b>Door Sensor</b>	APIs		
	DoorSen_Init()		DoorSen_ReadValue()
	initialize the sensor		Reading the value of the sensor Return : PinLevel
<b>Light Switch</b>	APIs		
	LightSW_Init()		LightSW_ReadValue()
	Initialize the Light Switch		Reading the value of the Light Switch Return : PinLevel
<b>Speed Sensor</b>	APIs		
	SpeedSen_Init()		SpeedSen_ReadValue()
	initialize the sensor		Reading the value of the sensor Return : PinLevel

# ECU\_2 APIs and typedefs:

<div>DIO</div> <div>.....</div> <div>arguments</div> <div>return</div>		APIs		
		DIO_Init()	DIO_Read()	DIO_Write()
		initialize DIO	Reading the channel value	Write on the channel low or high
		PinNumber PortNumber	PinNumber PortNumber	PinNumber PortNumber PinLevel
		none	PinLevel	none
		typedefs		
		PinNumber	PortNumber	PinLevel
		PORTA to PORTF	PIN0 to PIN7	HIGH or LOW

Timer		APIs		
		TIMER_Inti()	TIMER_Start()	TIMER_Stop()
		initialize the timer	Start the timer	Stop the timer
		TIMER_Channel	TIMER_Channel value	TIMER_Channel
		none	none	none
		return		
		typedefs		
		TIMER_Channel		
		The channel of the timer		

CAN		APIs		
		CAN_Init()	CAN_Baudrate()	CAN_SendData()
		initialize the CAN	Set the baudrate to CAN	Send the data by the CAN
		CAN_ReceiveData()		
		Receive data from CAN		



Light Right	APIs					
	LR_Init()		LR_ON()		LR_OFF()	
	Initializes light		Turn on the light		Turn off the light	
Light Left	APIs					
	LL_Init()		LL_ON()		LL_OFF()	
	Initializes light		Turn on the light		Turn off the light	
Buzzer	APIs					
	Buz_Init()		Buzzer_ON()		Buzzer_OFF()	
	Initializes Buzzer		Turn on the buzzer		Turn off the buzzer	