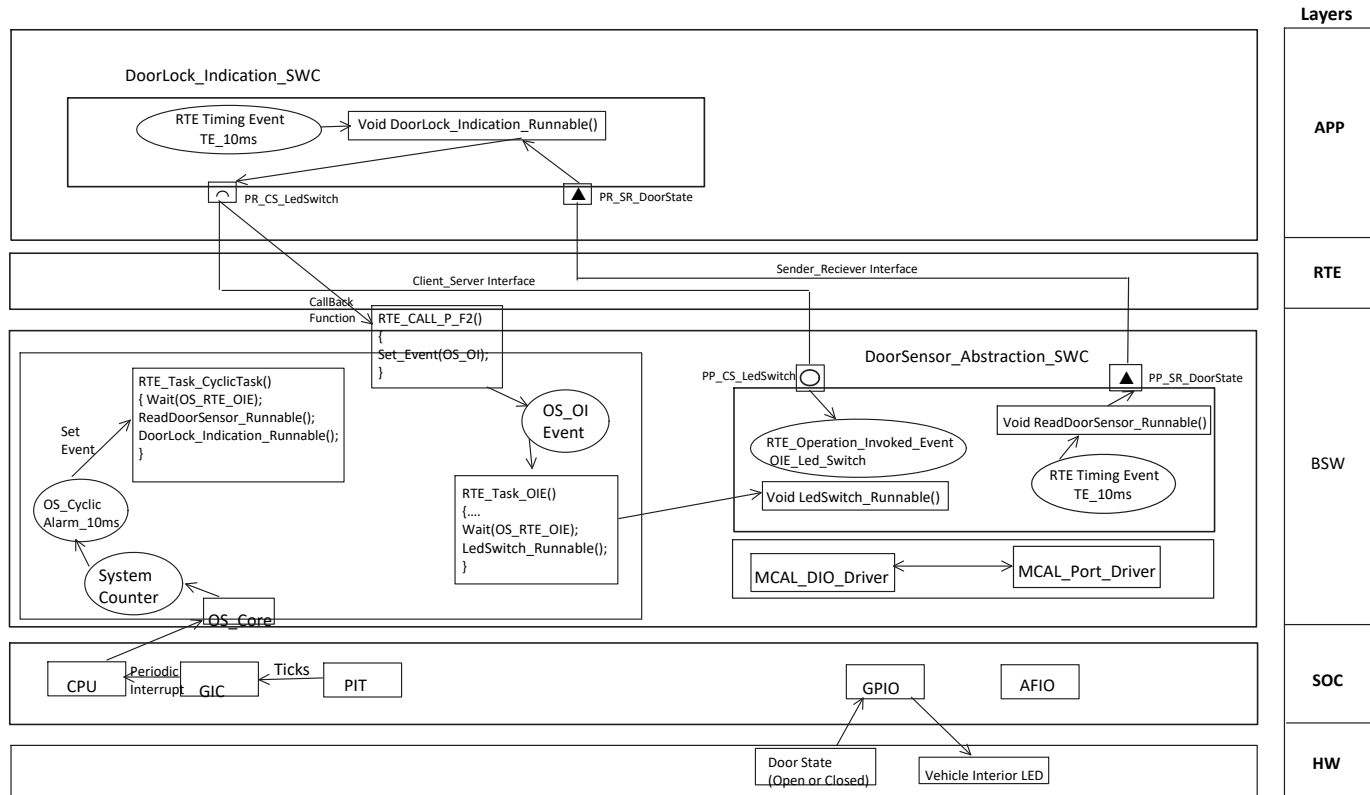


DoorLock Indication Project using AUTOSAR OS (OSEK/VDX)



Operating Principle:

- 1) Setup TickperBase and TickperCount for System timer
- 2) System counter fire OS cyclic alarm every 10 ms
- 3) Alarm set OS_TE event which Cyclic task waiting it
- 4) CyclicTask calls DoorLock_Indication and ReadDoorSensor Runnables
- 5) If ReadDoorSensor sense that door is opened, send data through Sender_Receiver interface to DoorLock_Indication
- 6) DoorLock_Indication invoke operation in Client_Server interface, so CallBack function called
- 7) CallBack function set OS_OI event which OIE task waiting it
- 8) OIE task calls LedSwitch_Runnable, which access DIO to switch vehicle interior LED state