1. Tasks

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| --- | --- | --- | --- | --- | --- |
| **Task** | **Rel deadline (ms)** | **Period (ms)** | **Priority** | **Mailbox/Semaphore IN**  **(Pend)** | **Mailbox/Semaphore OUT**  **(Post)** |
| **AppTaskStart** | / | / | 9 ou 10 | / | / |
| **TakeID** | 10000 | / | 3+10 | idListMB | idMB |
| **Heartbeat** | 1000 | 4000 | 2+10 | idMB | / |
| **HeartbeatCheck** | 100 | / | 1+10 | idMB, allCANMsgInQueue, stateMB | idListMB, HBMissmatchSM |
| **StateMachine** | 100 | / | 5+10 | idMB, idListMB, statusMsgInMB, charTypedMB, HBMissmatchSM | CANMsgOutMB, AlarmSM, stateMB |
| **Alarm** | 100 | / | 10+10 | AlarmSM | / |
| **ReadKeyboard** | 100 | 100 | 18+10 | (KBMsgMB) | charTypedMB |
| **PasswordCheck** | 500 | / | 20+10 | charTypedMB | validationResultMB, validPwdOkSM |
| **DisplayState** | 100 | / | 30+10 | stateMB | / |
| **DisplayKeyboard** | 100 | / | 31+10 | validationResultMB | / |
| **DisplayChgPwd** | 100 | / | 32++10 | validationResultMB | / |
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