

Parâmetros Configuração do Baud Rate

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CAN1 Mode and Configuration

Mode

☒ Activated

Configuration

Reset Configuration

☒ User Constants ☒ NVIC Settings ☒ GPIO Settings

☒ Parameter Settings

Configure the below parameters :

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Bit Timings Parameters

- Prescaler (for Time Quantum) 20
- Time Quantum 500.0 ns
- Time Quanta in Bit Segment 1 13 Times
- Time Quanta in Bit Segment 2 2 Times
- Time for one Bit 8000 ns
- Baud Rate 125000 bit/s
- ReSynchronization Jump Wi... 1 Time

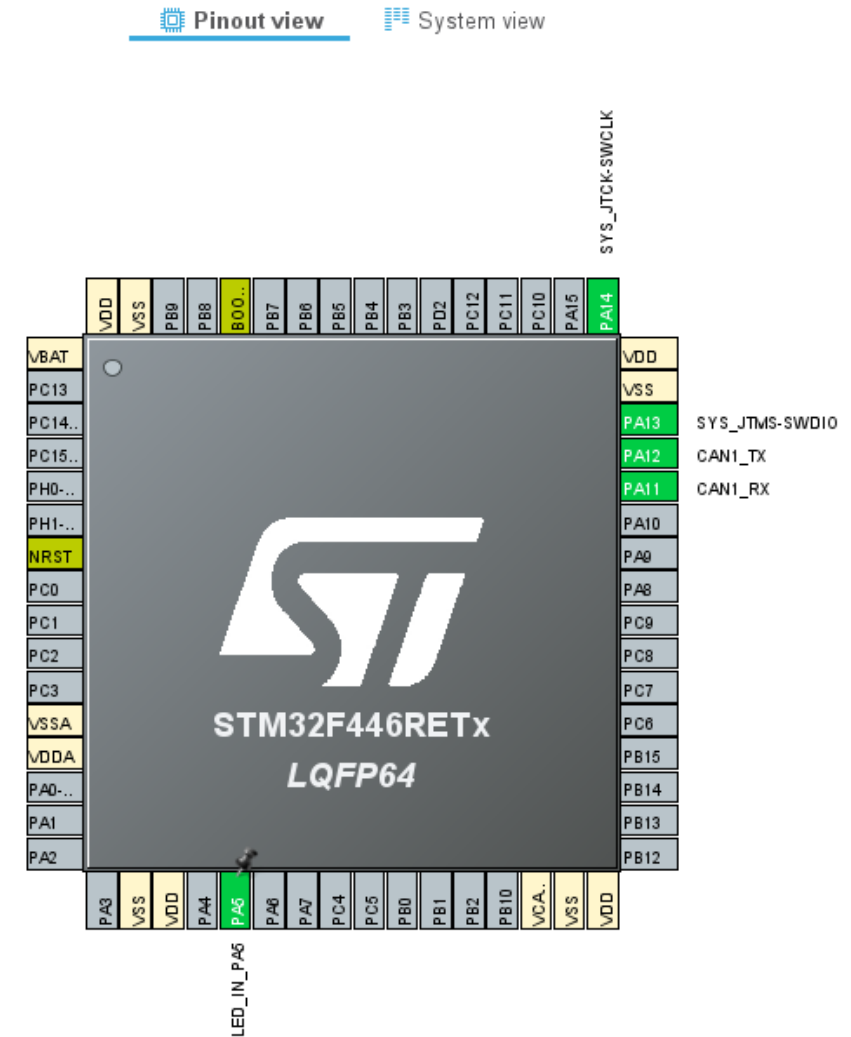
Basic Parameters

- Time Triggered Communicati... Disable
- Automatic Bus-Off Managem... Disable
- Automatic Wake-Up Mode Disable
- Automatic Retransmission Disable
- Receive Fifo Locked Mode Disable
- Transmit Fifo Priority Disable

Advanced Parameters

- Operating Mode Loopback

Baud Rate



Cálculos do Baud Rate

- Time Quantum:

$$40\text{MHz} / 20 = 2\text{MHz} \quad \rightarrow \quad 1 / 2\text{MHz} = 500\text{ns}$$

- Time Quanta:

$$[1 \times \text{SINC_SEG}] + [13 \times \text{SEG1}] + [2 \times \text{SEG2}] = 16 \text{ qt}$$

$$16 \text{ qt} \times 500\text{ns} = 8000\text{ns} \quad \rightarrow \quad 1 / 8000\text{ns} = 125 \text{ kBits/s}$$