

TwinCAN Overview: node features

■ Node features

- CAN functionality according to CAN specification V2.0 B active.
- Dedicated control registers are provided for each CAN node.
- A data transfer rate up to 1Mbaud is supported.
- Flexible and powerful message transfer control and error handling capabilities are implemented.
- Up to eight individually programmable interrupt nodes can be used.
- CAN Analyzer Mode for bus monitoring is implemented.

TwinCAN overview: Message Object features

- Full-CAN functionality: 32 message objects can be individually
 - assigned to one of the two CAN nodes,
 - configured as transmit or receive object,
 - participate in a 2,4,8,16 or 32 message buffer with FIFO algorithm,
 - setup to handle frames with 11 bit or 29 bit identifiers,
 - provided with programmable acceptance mask register for filtering,
 - monitored via a frame counter,
 - configured to Remote Monitoring Mode.

Schematics TwinCAN

