

Example notes

(1) Description

There are two example projects

- dsPIC30 mikroC project for the dsPIC Pro board
- PIC32 mikroC project for the Explorer 16 Board

Each project contains the code needed and a hex file which was tested

This example is based on a 2 node CAN bus formed by a dsPIC Pro 4 Development board from mikro elektronika and a MCHP explorer 16 board with a PIC32 Pim. as shown below



What does the Examples do

dsPIC30 Node

- The dsPIC30 node sends a message ID 0x200 to the PIC32 node
- The message contain a counter value which increments every time the message is send
- This Message must pass the masks and filters set in the PIC32
- if the message pass the filters the PIC32 will extract the message counter and display on PORTA Led's

PIC32 Node

- The PIC32 Sends a message ID 0x211 to the dsPIC node
- This message also contains a counter value which increments every time the message is send The message must pass the mask and filters set in the dsPIC
- if the message passed the filters the dsPIC displays this counter value on PORTB led's