

Emulator immobilisera CANBUS grupa PSA

Na PCB emulatora znajduje się eeprom I2C AT24C02 do którego wpisujemy PIN ,oraz szybkość magistrali CAN na której ma pracować emulator.

Do adresów 0x00,0x01,0x02,0x03 w eeprom 24C02 wpisujemy PIN:

- 1 znak kodu PIN w ASCII 0x51 = Q adres 0x00
- 2 znak kodu PIN w ASCII 0x43 = C adres 0x01
- 3 znak kodu PIN w ASCII 0x46 = F adres 0x02
- 4 znak kodu PIN w ASCII 0x44 = D adres 0x03

Do adresu 0x04 wpisujemy szybkość magistrali CAN:

Wartość w hex 25 ustawia 250kb/s

Wartość w hex 50 ustawia 500kb/s

Do konfiguracji można użyć również analizatora CAN, emulator ustawiony jest wstępnie na 250kb/s

Przykład dla kodu QCFD i szybkości 250 kb/s = (bajt 0x25) :

Z Analizatora CAN wysyłamy ramkę -

ID (001) DLC (8) (0x55) (0x51) (0x43) (0x46) (0x44) (0x25) xx xx

Sprawdzenie zapisanego kodu PIN i zapisanej szybkości CAN:

ID (001) DLC (8) (0xAA) xx xx xx xx xx xx xx

W przypadku błędnego ustawienia kodu pin w eeprom (np. wpisanie znaków z poza tablicy ASCII) miga dioda LED raz na sekundę.

W przypadku błędnego wpisania szybkości CAN emulator przełącza się na szybkość 250kb/s.

The screenshot shows the OrangeSE software interface with a table of EEPROM data. The table has columns for addresses 00 to 0F and a column for ASCII characters. The data is as follows:

00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	0123456789ABCDEF
000000	51	43	46	44	25	00	00	00	00	00	00	00	00	00	00	QCFD%
000010	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000020	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000030	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000040	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000050	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000060	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000070	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000080	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000090	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0000A0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0000B0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0000C0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0000D0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0000E0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0000F0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....

Annotations in the image:

- PIN w HEX**: A callout box pointing to the hex values 51, 43, 46, 44 in the 0x00-0x03 range.
- PIN w ASCII**: A callout box pointing to the ASCII characters QCFD in the 0x01-0x04 range.
- CAN_SPEED**: A callout box pointing to the hex value 25 in the 0x04 address.

At the bottom of the window, it says: Type: I2C 24C02 (256 x 8) Socket: I2C