

Hardware - Feature #80

create I2C test board

09.10.2021 14:02 - Maximilian Seesslen

Status:	Erledigt	Beginn:	09.10.2021
Priorität:	Normal	Abgabedatum:	
Zugewiesen an:	Maximilian Seesslen	% erledigt:	0%
Kategorie:		Geschätzter Aufwand:	0.00 Stunde
Zielversion:		Aufgewendete Zeit:	0.00 Stunde
CS Zielversion:			
Beschreibung			
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For easy I2C verification an small I2C-Board could be used.			
It could contain more periphery to be testable: I2C EEPROM, SPI Flash, I2C Port expander with LEDs to indicate success of tests, CAN too complicated, just use PC-Application, Direct LEDs for output blinking			
The 1V8 SPI flashes could be used for that. The board has an 1,8V LDO, an PCA9306 for level-converting and an flash; 8 Testpoints; LDO could be "MIC5504-1.8YM5-TR"; Level-Shifter			
8 green LEDs, 8 red LEDs. Other Flashes should be on seperate boards. The pinning should match the I2C-Output of CANIO connected to breadboard.			
GND, 3V3, SCK, SDA			
MCP23016-I/SO; 2,05€; TME MCP23017-E/SO; SOIC-28; 1.25 RE; max. 5V5; 25mA output			

Historie

#1 - 11.10.2021 13:07 - Redmine Admin

- Status wurde von Neu zu Erledigt geändert