

FileHelp

I2C Address: 0x 08 ScanConnectDisconnect

I2C register accessPMBus commands

Status

PVin: 12.0625 V Vout: 0.55468 V Read automatically ☒

Temp: 32 °C Addr: + 0 Vcc: 5.09375 V

OTP Status And Control

Number of writes still available: 8 Burn OTP

Communication address base

I2C base: 0x 8 PMBus base: 0x 70 Read Write

Write protection

Write permissions: Read Write

Allow all PMBus writes

On / Off config

Power on

☐ Ignore EN pin ☒ Observe EN pin and Operation On state

Operation response

☐ Ignore state of Operation On ☒ Follow state of Operation On

EN pin response

☐ Ignore state of EN pin ☒ Follow state of EN pin

EN pin polarity

☐ Pull low to start ☒ Pull high to start

EN pin action

☐ Use programmed delay and fall times ☒ Stop immediately

Operation

Off behavior

☒ On ☒ Immediate ☐ Controlled Read Write

Voltage source: Vout command data

Margin fault response: Ignore margin faults

Vout

Vout mode

Mode Resolution

Relative ULINEAR16 1/256 Read

Vout command

0.6015 V Read Write

Vout max

3 V Read Write

Vout margin high (relative)

1.0976 Read Write

Vout margin low (relative)

0.8984 Read Write

Vout transition rate

0.25 mV/µs Read Write

Vout OV fault limit

% Read Write

Vout OV fault response

Shutdown until the fault condition is cleared Read Write

Vout OV warn limit (relative)

1.1484 Read Write

Vout UV warn limit (relative)

0.8476 Read Write

Vout UV fault limit (relative)

0.7968 Read Write

Vout UV fault response

Continue without interruption Read Write

Time on

Time on delay

0 ms Read Write

Time on rise

2 ms Read Write

Time on max fault limit

0 ms Read Write

Time on max fault response

Continue without interruption Read Write

Vin

Vin on

4 V Read Write

Vin off

2.5 V Read Write

Vin OV fault limit

18 V Read Write

Vin UV warn limit

3 V Read Write

Vin OV fault response

Continue without interruption Read Write

lout

lout OC fault limit

16 A Read Write

lout OC fault response

Tries to restart continuously Read Write

Over-Temperature

OT fault limit

150 °C Read Write

OT fault response

Continue without interruption Read Write

Time off

Time off delay

0 ms Read Write

Time of fall

2 ms Read Write

Power good on

90 % Read Write

Bus voltage

☐ 1.8V to 2.5V ☒ 3.3V to 5V Read Write

Read All

Write All

7 6 5 4 3 2 1 0

Search register by name...

0 0 0 0 1 0 0 0

Read Selected Write Selected

Res I2C base

Read All Write All

Name	Address	Value
i2c_base	20	08
pmbus_base	21	70
operation	22	80
on_off_config	23	1F
write_protect	24	00
mask_byte_vout	25	00
mask_byte_lout	26	00
mask_byte_input	27	00
mask_byte_temp	28	40
mask_byte_cml	29	20
vout_mode	2B	98
vout_command_lower	2C	9A
vout_command_upper	2D	00
vout_max_lower	2E	00
vout_max_upper	2F	03
vout_margin_high_lower	30	19
vout_margin_high_upper	31	01
vout_margin_low_lower	32	E6
vout_margin_low_upper	33	00
vout_transition_rate_lower	34	01

☒ Auto scrolling ☐ Show automatic status reads Clear Console

04/08/2025 08:55:12.686 AM: Reading: register user_otp_pointer = 0x22
04/08/2025 08:55:12.719 AM: Reading: register status = 0x88
04/08/2025 08:55:12.753 AM: Reading: register ic_rev_byte_count = 0x01
04/08/2025 08:55:12.781 AM: Reading: register ic_rev = 0x01
04/08/2025 08:55:12.812 AM: Reading: register ic_dev_id_count = 0x01
04/08/2025 08:55:12.843 AM: Reading: register ic_dev_id = 0x0C
04/08/2025 08:55:12.874 AM: Reading: register pvin_report_lower = 0xC1
04/08/2025 08:55:12.904 AM: Reading: register pvin_report_upper = 0xE0
04/08/2025 08:55:12.936 AM: Reading: register vout_report_lower = 0x90
04/08/2025 08:55:12.966 AM: Reading: register vout_report_upper = 0x00
04/08/2025 08:55:12.995 AM: Reading: register temp_report_lower = 0x1D
04/08/2025 08:55:13.027 AM: Reading: register temp_report_upper = 0x00
04/08/2025 08:55:13.058 AM: Reading: register vcc_report_lower = 0xA3
04/08/2025 08:55:13.088 AM: Reading: register vcc_report_upper = 0x00
Connection Status: Connected