

Product Change Notification

Change Notification #: 201501-01

Change Title: com.tom BASIC x.0 – change internal I/O signals

Date of Publication: February 20, 2015

Key Characteristics of Change:

Hardware Change

Impact of Change:

Function enhancements and changes (relevant only for programming)

Affected products:

Ordering Code:	Description:
570596	Gateway com.tom BASIC 2.0
570578	Gateway com.tom BASIC 3.0
570588	Gateway com.tom BASIC 5.0
570640	Gateway com.tom BASIC 6.0
570597	Gateway com.tom BASIC 7.0
570819	Gateway com.tom BASIC 8.0

Identification of changed part:

Nameplate and with Package printing with

570596	com.tom BASIC 2.0	V2.0
570578	com.tom BASIC 3.0	V4.0
570588	com.tom BASIC 5.0	V2.0
570640	com.tom BASIC 6.0	V2.0
570597	com.tom BASIC 7.0	V2.0
570819	com.tom BASIC 8.0	V2.0

Description of Change to the Customer:

The above-mentioned Gateway COM.TOM BASIC will change some internal I/O signals – controlled by MPC23S17.

All above-mentioned Gateway will be delivered after the mentioned date with this new revision off-the-shelf.



Functional enhancements:

I2C-RTC

I2C bus address 0x64; Ricoh R2221T

Power Fail Support

IPC@CHIP PFI PFail Interrupt is activated for supply voltages less than 18V

Functional changes:

I/O signals connected via IO-Expander

RS232/422/485	COM0 of the CPU	GPA7: max. baud rate
LED	Status LEDs	GPA0 – GPA3: Status A – D
Button	Accessible Button	GPA4: non-actuated state = High
CAN	slew-rate/shut-down	GPA5, GPA6: fast-middle/shut-down

Reason for Change

Functional enhancements.

Customer Impact of Change and Recommended Action:

Due the changes of the I/O signal the application software has to be adapted.

Forecasted Key Milestones:

Date of qualification samples availability: February 20, 2015

Date of first proposed shipment: February 20, 2015

Reference Documents / Attachments:

Documents:

com.tom HW-manual V1.60

Location:

[Download: com.tom_HW-manual_V160.pdf](#)

PCN Revision History

Date of Revision:

February 20, 2015

Revision Number:

01

Reason:

Originally Published PCN

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