



Corrections of Datasheet

MB90590/590G -

DS90590_add_V100

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Addendum, MB90590 Datasheet (DS07-13704-4E)

This is the Addendum for the Datasheet DS07-13704-4E of the MB90590/590G micro controller series. It describes all known discrepancies of the MB90590/590G micro controller series datasheet.

Ref. Number	Date	Version No.	Chapter/Page	Description/Correction
(Text Link)	dd.mm.yy			
DS90590001	07.06.01	1.00	Electrical Characteristics	DC Characteristics, 'Input L voltage' rated values added
DS90590002	07.06.01			Wrong Voltage Range mentioned

DS90590001

Electrical Characteristics,

DC Characteristics

Additionally information:

Parameter	Sym- bol	Rated Value			Units	Remarks
		Min.	Typ.	Max.		
Input L Voltage	VILR	Vss-0.3	--	0.2 Vcc	V	RSTX and HSTX pin

DS90590002

Wrong Voltage Range mentioned:

(2) Reset and Hardware Standby Input (Page 41)

Thresholds in timing diagrams incorrect:

Under Normal Operating:

Old:

0.6*Vcc (2x)

New:

0.2*Vcc

In Stop Mode:

Old:

0.6*Vcc (2x)

New:

0.2*Vcc

(4) UART0/1/2, Serial I/O (Page 43)

-Internal Shift Clock Mode

SIN:

Old:

0.6 * Vcc (2x)

New:

0.5 * Vcc

-External Shift Clock Mode (Page 44)

SCK:

Old:

$0.6 * V_{CC}$ (2x)

New:

$0.5 * V_{CC}$

SIN:

Old:

$0.6 * V_{CC}$ (2x)

New:

$0.5 * V_{CC}$

(5) Timer Input Timing (Page 44)

Old:

$0.6 * V_{CC}$ (2x)

New:

$0.5 * V_{CC}$

(6) Trigger Input Timing (Page 45)

Old:

$0.6 * V_{CC}$ (2x)

New:

$0.5 * V_{CC}$