

<b>PCN Number:</b>	20150625001	<b>PCN Date:</b>	07/20/2015
<b>Title:</b>	Datasheet update for BQ25890/BQ25892		
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services
<b>Proposed 1<sup>st</sup> Ship Date:</b>	10/20/2015		
<b>Change Type:</b>			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process

### PCN Details

#### Description of Change:

The product datasheet(s) is being updated as summarized below.

The following change history provides further details:



**bq25890, bq25892**

SLUSBU7A – MARCH 2015 – REVISED JUNE 2015

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#### Changes from Revision March (2015) to Revision A

Page

• Added "Technology" to the data sheet title .....	1
• Deleted text from the OTG pin Description "OTG = High, IINLIM is set to USB500 mode". .....	5
• Changed the Description of the OTG pin in the <i>Pin Functions</i> table .....	5
• Changed $V_{(SLEEP)}$ and $V_{(SLEEPZ)}$ Unit From: V To: mV .....	8
• Added TYP values to $I_{IN(DPM\_ACC)}$ in the <i>Electrical Characteristics</i> table .....	9
• Deleted D+/D- DETECTION (bq25890) from the <i>Timing Requirements</i> .....	13
• Added condition "DCR = 10 mΩ" to <a href="#">Figure 1</a> .....	14
• Deleted $V_{CHG\_REG}$ and $I_{BAT\_REG}$ at Q4 gate Control in the <i>Functional Block Diagram</i> .....	16
• Deleted "SDP_STAT bit is updated to indicate USB100 or other input source" from <i>Input Source Type Detection</i> .....	18
• Changed <a href="#">Figure 9</a> , SDP(USB100/USB500) To: SDP (USB500) .....	18
• Deleted USB SDP (USB100) and the OTG Pin column from <a href="#">Table 3</a> and <a href="#">Table 4</a> .....	19
• Added text to the <i>PSEL/OTG Pins Set Input Current Limit (bq25892)</i> section: "To implement USB100 in the system..." ..	19
• Deleted section: <i>Plug in USB100 Source</i> .....	20
• Added text to <i>Input Voltage Limit Threshold Setting (VINDPM Threshold)</i> , "After Input Voltage Limit Threshold..." .....	20
• Changed text in <i>Input Current Optimizer (ICO)</i> From: "After DCP type..." To: "After DCP or MaxCharge type" .....	20
• Changed <a href="#">Equation 1</a> , From: BATCOMP, VREG + $V_{CLAMP}$ To: BATCOMP, $V_{CLAMP}$ .....	24
• Changed the Description of the INLIM Bits in <a href="#">Table 9</a> .....	34
• Changed <a href="#">Table 14</a> , Bits 3 to 0, From: Default: 128mA (0011) To: Default: 256mA (0011) .....	39
• Changed Bit 1 From: SDP_STAT To: Reserved .....	45
• Changed $V_{IN}$ To: $V_{BUS}$ in <a href="#">Equation 6</a> .....	52
• Changed <i>Input Capacitor</i> To: <i>Buck Input Capacitor</i> .....	52
• Changed $I_{CIN}$ to $I_{PMID}$ in <i>Buck Input Capacitor</i> and <a href="#">Equation 7</a> .....	52
• Changed "15-V input voltage. 22-μF capacitanc" To: "14-V input voltage. 8.2-μF capacitance" in <i>Buck Input Capacitor</i> ..	52
• Changed <i>Output Capacitor</i> To: <i>System Output Capacitor</i> .....	52
• Changed $I_{COUT}$ To: $I_{CSYS}$ in <a href="#">Equation 8</a> , Changed <a href="#">Equation 9</a> .....	52

The datasheet number will be changing.

Device Family	Change From:	Change To:
<a href="#">bq25890/bq25892</a>	SLUSC86/SLUSBU7	<b>SLUSC86A/SLUSBU7A</b>

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/bq25890>

### Special note

[For Full Data Sheet and User Guide, click here.](#)

### Reason for Change:

To more accurately reflect device characteristics.

### Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

To more accurately reflect device characteristics.

### Changes to product identification resulting from this PCN:

None.

### Product Affected:

BQ25890RTWR	BQ25890RTWT	BQ25892RTWR	BQ25892RTWT
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For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

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