

<b>PCN Number:</b>	20150326000	<b>PCN Date:</b>	03/31/2015
<b>Title:</b>	Datasheet update for TMS320DM8168/67/65		
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services
<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:

Texas Instruments Incorporated is announcing an information-only product change notification.

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

The following change history provides further details:



**TMS320DM8168, TMS320DM8167  
TMS320DM8165**

[www.ti.com](http://www.ti.com)

SPRS614F –MARCH 2011–REVISED MARCH 2015

## 2 Revision History

NOTE: Page numbers for previous revisions may differ from page numbers in the current version.

Changes from February 1, 2014 to March 17, 2015 (from E Revision (February 2014) to F Revision)	Page
• Updated entire document to adhere to Superior Data Manual Standards .....	<a href="#">1</a>
• Updated/Changed title from "...Video Processors..." to "...Digital Media Processors..." .....	<a href="#">1</a>
• Updated/Changed ARM® Cortex™-A8 RISC Processor in Features from "Up to 1.35 GHz" to "Up to 1.20 GHz" .....	<a href="#">1</a>
• Updated/Changed C674x™ VLIW DSP in Features from "Up to 1.25 GHz" to "Up to 1 GHz" .....	<a href="#">1</a>
• Updated/Changed C674x™ VLIW DSP in Features from "Up to 9000 MIPS and 6750 MFLOPS" to "Up to 8000 MIPS and 6000 MFLOPS" .....	<a href="#">1</a>
• Updated/Changed CPU Frequency row .....	<a href="#">10</a>
• Removed Cycle Time row .....	<a href="#">10</a>
• Updated/Changed Handling Ratings to ESD Ratings .....	<a href="#">116</a>
• Updated/Changed CVDD Initial Startup NOM from "1.00 or 1.10" to "1.00 or 1.05" .....	<a href="#">117</a>
• Updated/Changed CVDD CYG & CYG2 NOM from "0.85-1.10" top "0.85-1.05" .....	<a href="#">117</a>
• Added footnote to CVDD CYG & CYG2 NOM value .....	<a href="#">117</a>
• Updated footnote from "1.10V nominal (for CYG..." to "1.05 nominal (for CYG..." .....	<a href="#">118</a>
• Removed FSYSCLK row .....	<a href="#">118</a>
• Removed "AVS Variable Core voltage = 0.8 V" from I <sub>CD0</sub> and I <sub>DDP</sub> .....	<a href="#">120</a>
• Updated/Changed the System Clocking Overview Figure from "432 MHz" to "audio reference clock" .....	<a href="#">149</a>
• Updated/Changed body of text in PLL Programming Limits .....	<a href="#">154</a>
• Completely updated PLL Clock Frequencies table .....	<a href="#">155</a>
• Completely updated SYSCLK Frequencies table .....	<a href="#">156</a>
• Completely updated SYSCLK Frequencies table .....	<a href="#">157</a>
• Updated/Changed t <sub>su(CMDV-CLKH)</sub> and t <sub>h(CLKH-DATV)</sub> MIN from "6.0" to "4.1" .....	<a href="#">293</a>
• Updated/Changed t <sub>h(CLKH-CMDIV)</sub> and t <sub>h(CLKH-DATV)</sub> MIN from "19.2" to "1.9" .....	<a href="#">293</a>
• Added footnote to t <sub>d(CLKL-CMD)</sub> and t <sub>d(CLKL-DAT)</sub> MIN values .....	<a href="#">294</a>
• Updated/Changed the blank example from "1.0-GHz ARM, 800-MHz DSP" to "930-MHz ARM, 750-MHz DSP"....	<a href="#">321</a>
• Updated DEVICE SPEED RANGE in Figure 10-1 .....	<a href="#">321</a>
• Completely updated Table 10-1 .....	<a href="#">321</a>

The datasheet number will be changing.

Device Family	Change From:	Change To:
TMS320DM8168/67/65	SPRS614E	<b>SPRS614F</b>

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/tms320dm8168>

**Reason for Change:**

To provide new information designed to reinforce guidelines related to device characteristics

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

Electrical specification performance changes as indicated above.

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

None.

**Product Affected:**

TMS320C6A8168ACYG2	TMS320DM8167SCYG	TMS320DM8168SCYG
TMS320C6A8167BCYG2	TMS320DM8167SCYG2	TMS320DM8168SCYG2
TMS320C6A8168BCYG2	TMS320DM8167SCYG4	TMS320DM8168SCYG4
TMS320DM8165BCYG0	TMS320DM8168BCYG0	TMS320DM8168SCYGA2
TMS320DM8165BCYG2	TMS320DM8168BCYG2	TMS32C6A8168BCYGA2
TMS320DM8165SCYG	TMS320DM8168BCYGA2	TMX320C6A8168CYG
TMS320DM8165SCYG2	TMS320DM8168CCYG	TMX320DM8168ACYG
TMS320DM8165SCYG4	TMS320DM8168CCYG2	TMX320DM8168BCYG2
TMS320DM8166BCYG0	TMS320DM8168CCYG4	VCBUC8168CCYG2
TMS320DM8166SCYG	TMS320DM8168CCYG4H	VCBUP8168CCYG2
TMS320DM8166SCYG2	TMS320DM8168CCYGA2	VCBUP8168CCYGH
TMS320DM8166SCYG4	TMS320DM8168CCYGH	
TMS320DM8167BCYG2	TMS320DM8168M CYG4	

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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