



Integrated Device Technology, Inc.  
6024 Silver Creek Valley Road, San Jose, CA - 95138

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **T1006-01**                      DATE: **August 13, 2010**

Product Affected:  
**82P2816BB, 82P2816BBG**

Date Effective:    **November 13, 2010**

**MEANS OF DISTINGUISHING CHANGED DEVICES:**

- Product Mark      82P2917BBB, 82P2917BBBG
- Back Mark
- Date Code
- Other

Contact: Rodney Corpuz

Title: Product Quality Assurance

Attachment:             Yes                       No

Phone #: (408) 284-8261

Fax #: (408) 284-1450

Samples: Available now

E-mail: [rcorpuz@idt.com](mailto:rcorpuz@idt.com)

**DESCRIPTION AND PURPOSE OF CHANGE:**

- Die Technology
- Wafer Fabrication Process
- Assembly Process
- Equipment
- Material
- Testing
- Manufacturing Site
- Data Sheet
- Other      \* Die revision

This notification is to advise our customers that the orderable part# for 82P2816BB will be changed to 82P2917BBB. Both devices have 100% pin to pin compatibility and functionality. This is to allow manufacturing flexibility in building these orderable parts. The new part numbers will use existing 82P2917A datasheet.

**RELIABILITY/QUALIFICATION SUMMARY:**

There is no expected change to the product quality or reliability performance.

**CUSTOMER ACKNOWLEDGMENT OF RECEIPT:**

IDT records indicate that you require written notification of this change. Please use the acknowledgement below or E-Mail to grant approval or request additional information. If IDT does not receive acknowledgement within 90 days of this notice it will be assumed that this change is acceptable.

IDT reserves the right to ship either version manufactured after the process change effective date until the inventory on the earlier version has been depleted.

Customer: \_\_\_\_\_

*Approval for shipments prior to effective date.*

Name/Date: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Title: \_\_\_\_\_

Phone# /Fax# : \_\_\_\_\_

**CUSTOMER COMMENTS:**

**IDT ACKNOWLEDGMENT OF RECEIPT:**

RECD. BY: \_\_\_\_\_

DATE: \_\_\_\_\_



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT I - PCN # : T1006-01

**PCN Type:** Product Line

**Data Sheet Change:** Yes

**Details Of Change:**

**Changing orderable part number:**

From	To
82P2816BB	82P2917BBB
82P2816BB8	82P2917BBB8
82P2816BBG	82P2917BBBG
82P2816BBG8	82P2917BBBG8

- Both devices have 100% pin to pin compatibility.

- All functionalities are identical except:

Device ID	82P2816BB	82P2917BB
	Default Value: 30H	Default Value: 60H
<b>JTAG Dev. ID Register (32 bit)</b>		
4-Bit version No.	0000	0000
16-Bits Part No.	04DC	04F5
11-Bit Mfg ID	0B3	033
<b>Bit 4 addition*</b>	None	TxAIS
*BIT4 - for AIS Generation Control Register of each channel		

- This change will allow manufacturing flexibility in building these orderable parts.

- The new part numbers will use existing 82P2917A datasheet.

**Affected Devices:** 82P2816BB, 82P2816BB8, 82P2816BBG, 82P2816BBG8

**Sample Availability:**

Samples will be available on February 2011.

Please contact your local IDT sales representative for your sample request.