



Integrated Device Technology, Inc.  
2975 Stender Way, Santa Clara, CA - 95054

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **L0201-03R1**      DATE: 4/16/2002  
 Product Affected:    IDTQS32861/ QS32X2861  
                               IDTQS32257/ QS32390  
                               IDTQS32245/ QS32X2245/ QS34X2245  
 Date Effective:    3/14/2002

**MEANS OF DISTINGUISHING CHANGED DEVICES:**

- Product Mark
- Back Mark
- Date Code    0210 and later
- Other

Contact:    Bimla Paul	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Title:      Quality Manager	
Phone #:    408-654-6419	
Fax #:      408-492-8362	Samples:      Available upon request
E-mail:     bimla.paul@idt.com	

**DESCRIPTION AND PURPOSE OF CHANGE:**

- Die Technology
  - Wafer Fabrication Process      To revise R<sub>ON</sub> (Switch ON Resistance) specifications on selective Bus Switch products.
  - Assembly Process                Please see attachment for details.
  - Equipment
  - Material
  - Testing
  - Manufacturing Site
  - Data Sheet
  - Other
- Note: R1 addendum is to correct the typical value of Ron specification for QS32390. The PCN effectivity date will remain the same as the original PCN.**

**RELIABILITY/QUALIFICATION SUMMARY:**

Data sheet change. Please see attachment for details.

**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 30 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: _____	<input type="checkbox"/> <i>Approval for shipments prior to effective date.</i>
Name/Date: _____	E-Mail Address: _____
Title: _____	Phone# /Fax# : _____

**CUSTOMER COMMENTS:** \_\_\_\_\_

**IDT ACKNOWLEDGMENT OF RECEIPT:**

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



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### ATTACHMENT - PCN #: L0201-03R1

**PCN Type:** Data sheet change.

**Data Sheet Change:** Yes.

**Detail of Change:** R<sub>ON</sub> Specification has been revised as follow:

Bus Switch Product	Parameter	Test Condition	Old Specification			New Specification		
			Min	Typ*	Max (Ω)	Min	Typ*	Max (Ω)
IDTQS32861	RON	Vcc =Min, VIN =0V, ION =30mA	20	28	40	15	20	35
IDTQS32X2861		Vcc =Min, VIN =2.4V, ION =15mA	20	35	48	18	25	40
IDTQS32257	RON	Vcc =Min, VIN =0V, ION =30mA	20	28	40	12	17	40
		Vcc =Min, VIN =2.4V, ION =15mA	20	35	48	15	19	40
IDTQS32390	RON	Vcc =Min, VIN =0V, ION =30mA	20	28	40	15	19	35
		Vcc =Min, VIN =2.4V, ION =15mA	24	35	48	15	20	40
IDTQS32245	RON	Vcc =Min, VIN =0V, ION =30mA	20	28	40	18	23	35
IDTQS32X2245		Vcc =Min, VIN =2.4V, ION =15mA	20	35	48	18	25	40
IDTQS34X2245								

\*Typical values are at Vcc = 5.0V, TA = 25°C