



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
 Title: Quality Manager Attachment: Yes No
 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_{ON} (Switch ON Resistance) specifications on selective Bus Switch products.
- Assembly Process Please see attachment for details.
- Equipment
- Material
- Testing **Note: R1 addendum is to correct the typical value of Ron specification for QS32390.**
- Manufacturing Site **The PCN effectivity date will remain the same as the original PCN.**
- Data Sheet
- Other

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

PCN Type: Data sheet change.

Data Sheet Change: Yes.

Detail of Change: R_{ON} 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	V _{cc} =Min, V _{IN} =0V, I _{ON} =30mA	20	28	40	15	20	35
IDTQS32X2861		V _{cc} =Min, V _{IN} =2.4V, I _{ON} =15mA	20	35	48	18	25	40
IDTQS32257	RON	V _{cc} =Min, V _{IN} =0V, I _{ON} =30mA	20	28	40	12	17	40
		V _{cc} =Min, V _{IN} =2.4V, I _{ON} =15mA	20	35	48	15	19	40
IDTQS32390	RON	V _{cc} =Min, V _{IN} =0V, I _{ON} =30mA	20	28	40	15	19	35
		V _{cc} =Min, V _{IN} =2.4V, I _{ON} =15mA	24	35	48	15	20	40
IDTQS32245	RON	V _{cc} =Min, V _{IN} =0V, I _{ON} =30mA	20	28	40	18	23	35
IDTQS32X2245		V _{cc} =Min, V _{IN} =2.4V, I _{ON} =15mA	20	35	48	18	25	40
IDTQS34X2245								

*Typical values are at V_{cc} = 5.0V, T_A = 25°C