



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: L0011-02	DATE: 11/13/00	MEANS OF DISTINGUISHING CHANGED DEVICES:
Product Affected: QS5917T		<input type="checkbox"/> Product Mark
Manufacturing Location Affected: N/A		<input type="checkbox"/> Back Mark
Date Effective: 12/13/00		<input checked="" type="checkbox"/> Date Code Date Code of 0051
		<input type="checkbox"/> Other

Contact: Bimla Paul	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Title: Product Assurance Manager	
Phone #: 408-654-6419	Samples: N/A
Fax #: 408-492-8362	
E-mail: Bimla.Paul@idt.com	

DESCRIPTION AND PURPOSE OF CHANGE:

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

To revise selected timing/frequency parameters to reflect device characterization. This is a data sheet change only and does not reflect any process or product changes.

RELIABILITY/QUALIFICATION SUMMARY:

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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PCN Summary

PCN Type: Data Sheet Change

Commodity Logic

Forecast or Execute Execute

Planned or Unplanned Unplanned

Data Sheet Change Yes

Detail of Change

SWITCHING CHARACTERISTICS TABLE

Symbol	Parameter	From		To	
		Min	Max	Min	Max
t_{pw}	Outputs Pulse Width, $\overline{Q5}$ and 2xQ	$T_{cy}/2 - 0.5ns$	$T_{cy}/2 + 0.5ns$	$T_{cy}/2 - 0.65ns$	$T_{cy}/2 + 0.65ns$

FREQUENCY SELECTION TABLE

Freq Sel	Output Used for Feedback	(From): SYNC(MHz) Allowable Range		(To): SYNC(MHz) Allowable Range	
		Min	Max	Min	Max
1	Q/2	5	$F_{2XQ}/4$	14	$F_{2XQ}/4$
1	$\overline{Q_0-Q_4}$	10	$F_{2XQ}/2$	28	$F_{2XQ}/2$
1	$\overline{Q5}$	10	$F_{2XQ}/2$	28	$F_{2XQ}/2$
1	2xQ	20	F_{2XQ}	56	F_{2XQ}
0	Q/2	2.5	$F_{2XQ}/8$	7	$F_{2XQ}/8$
0	$\overline{Q_0-Q_4}$	5	$F_{2XQ}/4$	14	$F_{2XQ}/4$
0	$\overline{Q5}$	5	$F_{2XQ}/4$	14	$F_{2XQ}/4$
0	2xQ	10	$F_{2XQ}/2$	28	$F_{2XQ}/2$



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SWITCHING CHARACTERISTICS TABLE

Symbol	(From) Parameter	(To) Parameter
t_{PD}	SYNC Input to Feedback Delay, 10 MHz	SYNC Input to Feedback Delay, 28 MHz

INPUT TIMING REQUIREMENTS

Symbol	Description	From		To	
		Min	Max	Min	Max
F_1	Input Clock Frequency SYNC ₀ , SYNC ₁	5 MHz	F_{2XQ} MHz	14 MHz	F_{2XQ} MHz