



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: L0011-02 Product Affected: QS5917T Manufacturing Location Affected: N/A Date Effective: 12/13/00	DATE: 11/13/00 MEANS OF DISTINGUISHING CHANGED DEVICES: <input type="checkbox"/> Product Mark <input type="checkbox"/> Back Mark <input checked="" type="checkbox"/> Date Code Date Code of 0051 <input type="checkbox"/> Other
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Contact: Bimla Paul Title: Product Assurance Manager Phone #: 408-654-6419 Fax #: 408-492-8362 E-mail: Bimla.Paul@idt.com	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples: N/A
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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: _____	<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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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	
F_I	Input Clock Frequency SYNC ₀ , SYNC ₁	Min	Max	Min	Max
		5 MHz	F _{2XQ} MHz	14 MHz	F _{2XQ} MHz