



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: N1501-02	Date: January 27, 2015	MEANS OF DISTINGUISHING CHANGED DEVICES:
Product Affected: 843S1333CGLF, 843S1333CGLFT		<input checked="" type="checkbox"/> Product Mark Change in ordering part#
		<input type="checkbox"/> Back Mark
		<input type="checkbox"/> Date Code
Date Effective: April 27, 2015		<input type="checkbox"/> Other
Contact: TSD Clock Team	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
E-mail: clocks@idt.com	Samples: Samples are available now.	

DESCRIPTION AND PURPOSE OF CHANGE:

- | | |
|---|---|
| <input type="checkbox"/> Die Technology | This notice is to advise our customers that the IDT Part 843S1333DGLF is an updated version of the 843S1333CGLF to improve the Xtal OCS circuit and noise immunity for an overall better performance. |
| <input type="checkbox"/> Wafer Fabrication Process | |
| <input type="checkbox"/> Assembly Process | There is a minor change to the top metal. There is no change to the die/package technology or manufacturing. The change in datasheet parameters is shown in the Table 2 in page 2. |
| <input type="checkbox"/> Equipment | |
| <input type="checkbox"/> Material | We are requesting a last time buy of the previous version by April 27, 2015. |
| <input type="checkbox"/> Testing | |
| <input type="checkbox"/> Manufacturing Site | |
| <input checked="" type="checkbox"/> Data Sheet | |
| <input checked="" type="checkbox"/> Other - Die Revision Change | |

RELIABILITY/QUALIFICATION SUMMARY:

There is no change in die technology/process.

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 I - PCN #: N1501-02

PCN Type: Die Revision Change / Datasheet

Data Sheet Change: Yes

Detail of Change: This notice is to advise our customers that the IDT Part 843S1333DGLF is an updated version of the 843S1333CGLF to improve the Xtal OCS circuit and noise immunity for an overall better performance.

There is a minor change to the top metal. There is no change to the die/package technology or manufacturing. The change in datasheet parameters is shown in the Table 2 in page 2.

We are requesting a last time buy of the previous version by April 27, 2015.

Table 1

Old Ordering Part Number	New Ordering Part Number
843S1333CGLF	843S1333DGLF
843S1333CGLFT	843S1333DGLFT

Table 2 - Change of Datasheet Parameters

	From	To
Datasheet Parameter	843S1333C	843S1333D
cin	4 pF	2 pF
IEE	55 mA	80 mA
ICCA	20 mA	23 mA
Tjit(cc) Cycle to Cycle Jitter	25 ps	14 ps
Tjit(per) Period Jitter	2 ps	2.6 ps
tR/tF, Rise/Fall time	100ps (min) / 200 ps (max)	80 ps (min) / 200 ps (max)