



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN# 20221207003.1

**Qualification of LFAB as an additional Wafer Fab site option for select devices
Change Notification / Sample Request**

Date: December 09, 2022

To: TOKYO ELECTRON DEVICE (DSTR) PCN

Dear Customer:

This is an announcement of a change to a device that is currently offered by Texas Instruments. The details of this change are on the following pages.

Texas Instruments requires acknowledgement of receipt of this notification within **30** days of the date of this notice. Lack of acknowledgement of this notice within 30 days constitutes acceptance of the change. If samples or additional data are required, requests must be received within **30 days** of this notification.

The changes discussed within this PCN will not take effect any earlier than the proposed first ship date on Page 3 of this notification, unless customer agreement has been reached on an earlier implementation of the change.

This notice does not change the end-of-life status of any product. Should product affected be on a previously issued product withdrawal/discontinuance notice, this notification does not extend the life of that product or change the life time buy offering/discontinuance plan.

For questions regarding this notice or to provide acknowledgement of this PCN, you may contact your local Field Sales Representative or the PCN Team (PCN_ww_admin_team@list.ti.com). For sample requests or sample related questions, contact your local Field Sales Representative.

PCN Team
SC Business Services

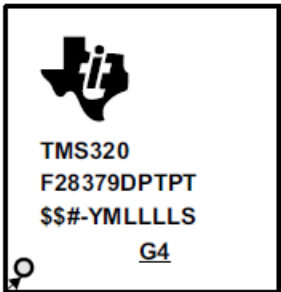
20221207003.1
Attachment: 1

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
TMS320F28375DPTPT	null
TMS320F28375SPTPT	null
TMS320F28377SPTPT	null
TMS320F28375DZWTT	null
TMS320F28377DPTPT	null
TMS320F28378DPTPS	null
TMS320F28075PZPT	null
TMS320F28377SPTPS	null
TMS320F28475DPTPT	null
TMS320F28377DZWTT	null
TMS320F28379DPTPT	null
TMS320F28379DZWTT	null

Technical details of this Product Change follow on the next page(s).

PCN Number:	20221207003.1		PCN Date:	December 09, 2022	
Title:	Qualification of LFAB as an additional Wafer Fab site option for select devices				
Customer Contact:	PCN Manager		Dept:	Quality Services	
Proposed 1st Ship Date:	Mar 9, 2023		Sample Requests accepted until:	Jan 9, 2023	
*Sample requests received after January 9, 2023 will not be supported.					
Change Type:					
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Assembly Materials
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification	<input type="checkbox"/>	Mechanical Specification
<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Material	<input type="checkbox"/>	Wafer Bump Process
<input checked="" type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials	<input checked="" type="checkbox"/>	Wafer Fab Process
		<input type="checkbox"/>	Part number change		
PCN Details					
Description of Change:					
Texas Instruments is pleased to announce the addition of LFAB as an additional Wafer Fab site option for the products listed in the "Product Affected" section of this document.					
Current Fab Site			Additional Fab Site		
Current Fab Site	Process	Wafer Diameter	New Fab Site	Process	Wafer Diameter
TSMC-F14	F021	300mm	LFAB	F65	300mm
UMC12i / DM6	F65	300mm			
Qual details are provided in the Qual Data Section.					
Reason for Change:					
Continuity of supply					
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):					
None					
Changes to product identification resulting from this PCN:					
Device Symbol:					
 <p>Package Pin 1</p>		<p>YMLLLS = Lot Trace Code</p> <p>YM = 2-Digit Year/Month Code</p> <p>LLLL = Assembly Lot</p> <p>S = Assembly Site Code</p> <p>\$\$ = Wafer Fab Code as applicable</p> <p># = Silicon Revision Code</p> <p><u>G4</u> = Green (Low Halogen and RoHS-compliant)</p>			
Original Fab Field:					
\$\$ = YF → TSMC-F14 Or \$\$ = \$7 → UMC 12i Or \$\$ = \$4 → DMOS6					
Updated Fab Field:					
\$\$ = YF → TSMC-F14 Or					

\$\$ = \$7 → UMC 12i
Or
\$\$ = \$4 → DMOS6
Or
\$\$ = 3L → LFAB

Current Fab Site Information:

Chip Site	Chip Site Origin Code (20L)	Chip Site Country Code (21L)	Chip Site City
TSMC-F14	T14	TWN	Tainan City
UMC 12i	UMI	SGP	Singapore
DMOS6	DM6	USA	Dallas

New Fab Site:

New Chip Site	Chip Site Origin Code (20L)	Chip Site Country Code (21L)	Chip Site City
LFAB	LHI	USA	Lehi

Sample product shipping label (not actual product label)



Product Affected:

F28PLC90DPZPS	TMS320F28374SPZPS	TMS320F28376DZWTT	TMS320F28378SPZPS
F28PLC90DPZPSR	TMS320F28374SPZPT	TMS320F28376SPTPS	TMS320F28379DPTPS
F28PLC91DPZPSR	TMS320F28374SZWTS	TMS320F28376SPTPT	TMS320F28379DPTPT
F28PLC92DPZPSR	TMS320F28374SZWTT	TMS320F28376SPZPS	TMS320F28379DZWTS
FDC5000PZPT	TMS320F28374SZWTTR	TMS320F28376SPZPT	TMS320F28379DZWTT
SVTF28379SZWTSR	TMS320F28375DPTPS	TMS320F28376SZWTS	TMS320F28379SPTPS
TMS320F28075PTPS	TMS320F28375DPTPT	TMS320F28376SZWTT	TMS320F28379SPTPT
TMS320F28075PTPT	TMS320F28375DPZPS	TMS320F28377DPTPS	TMS320F28379SPZPS
TMS320F28075PZPS	TMS320F28375DZWTS	TMS320F28377DPTPT	TMS320F28379SPZPT
TMS320F28075PZPT	TMS320F28375DZWTT	TMS320F28377DZWTS	TMS320F28379SZWTS
TMS320F28076PTPS	TMS320F28375SPTPS	TMS320F28377DZWTT	TMS320F28379SZWTT
TMS320F28076PZPS	TMS320F28375SPTPT	TMS320F28377SPTPS	TMS320F2837HDPTPS
TMS320F2807NPTPT	TMS320F28375SPZPS	TMS320F28377SPTPT	TMS320F2837HDPTPT
TMS320F28374DPTPS	TMS320F28375SPZPT	TMS320F28377SPZPS	TMS320F2837HDZWTS
TMS320F28374DPTPT	TMS320F28375SZWTS	TMS320F28377SPZPT	TMS320F2837HDZWTT
TMS320F28374DZWTS	TMS320F28375SZWTT	TMS320F28377SZWTS	TMS320F28475DPTPT
TMS320F28374DZWTT	TMS320F28376DPTPS	TMS320F28377SZWTT	TMS320FF28374SPTPT
TMS320F28374SPTPS	TMS320F28376DPTPT	TMS320F28378DPTPS	TMS320PLC90DPZPS
TMS320F28374SPTPSR	TMS320F28376DZWTS	TMS320F28378SPTPS	TMS320PLC90DPZPSR
TMS320F28374SPTPT			

Qualification Report
Approve Date 06-December-2022

Qualification Results

Data Displayed as: Number of lots / Total sample size / Total failed

Type	#	Test Name	Condition	Duration	Qual Device: TMS320F28379SPTPQ
HAST	A2	Biased HAST	130C/85%RH	96 Hours	3/231/0
UHAST	A3	Unbiased HAST	130C/85%RH	96 Hours	3/231/0
TC	A4	Temperature cycling	-65C/150C	500 cycles	3/231/0
HTOL	B1	High Temperature operational Life	125C	1000 Hours	3/231/0
HTSL	B3	High Temperature storage life	150C	1000 Hours	3/231/0
ESD	E2	ESD CDM	-	500 Volts	1/3/0
ESD	E2	ESD HBM	-	2000 Volts	1/3/0
LU	E3	Latchup	-	125C	1/3/0

- QBS: Qual By Similarity
- Qual Device TMS320F28379SPTPQ is qualified at MSL3 260C.
- Preconditioning was performed for Unbiased HAST, Biased HAST and Temperature Cycling
- Flash memory was cycled with programming/erasing operations prior to HTOL and HTSL which serves as flash memory data retention tests.

Quality and Environmental data is available at TI's external Web site: <http://www.ti.com/>

Green/Pb-free Status:

Qualified Pb-Free(SMT) and Green

For questions regarding this notice, e-mails can be sent to the contact shown below or your local Field Sales Representative.

Location	E-Mail
WW Change Management Team	PCN_ww_admin_team@list.ti.com

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