PCN Number:	2022	1207003.1	P	CN Da	te: De	ecember 09, 2022	
Title: Qualification of LFAB as an additional Wafer Fab site option for select devices							
Customer Contact:				ept:	Qu	uality Services	
Proposed 1 st Ship Date:		Mar 9, 2023	Sample F			n 9, 2023	
*Sample requests received		-	accepted				
Change Type:	sts received a	anter January 9,		e su	pporteu.		
Assembly S	ite	Assembly Pro	ocess		Assembly	y Materials	
Design		Electrical Sp	ecification		Mechanical Specification		
Test Site			ping/Labeling		Test Process		
Wafer Bump		Wafer Bump Wafer Fab M			Wafer Bump Process Wafer Fab Process		
🛛 🛛 Wafer Fab S	Sile	Part number			water Fa	ad Process	
			Details				
Description of	Change:						
Texas Instrumen	ts is pleased to	o announce the a				Wafer Fab site	
option for the pr	oducts listed in	the "Product Affe	ected" section of	this d	ocument.		
C	urrent Fab Sit	te	A	lditio	nal Fab S	Site	
Current Fab	Process	Wafer	New Fab	Process		Wafer	
Site		Diameter	Site			Diameter	
TSMC-F14	F021	300mm	LFAB		F65	300mm	
UMC12i / DM6	F65	300mm					
Qual details are	provided in the	Qual Data Sectio	n.				
Reason for Cha		3					
Continuity of sup	oply						
Anticipated im	pact on Form,	Fit, Function, Q	uality or Relial	oility	(positive	/ negative):	
None				-			
Changes to pro	duct identific	ation resulting f	from this PCN:				
Davis Carabal	_						
Device Symbol							
	3	YMLLLLS = Lot Trace Code YM = 2-Digit Year/Month Code LLLL = Assembly Lot S = Assembly Site Code					
	r I						
TMS3							
F28379DPTPT		<pre>\$\$ = Wafer Fab Code as applicable # = Silicon Revision Code</pre>					
\$\$#-YMLLLLS G4		G4 = Green (Low H	lalogen and RoHS-complian	t)			
ç	04						
Package / Pin 1							
Original Fab F $\$\$ = YF \rightarrow T$							
or	She iii						
$\$\$ = \$7 \rightarrow U$	MC 12i						
Or \$\$ = \$4 → D	MOSE						
Updated Fab Fi $\$\$ = YF \rightarrow T$							
$33 - 11 \rightarrow 1$ Or							

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

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)

TEXAS INSTRUMENTS MADE IN: Malaysia 2DC: 20: MSL '2 /260C/1 YEAR SEAL DT MSL 1 /235C/UNLIM 03/29/04	(1P) SN74LS07NSR (Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY (1T) 7523483S12
LBL: 5A (L)T0:1750	(P) (2P) REV: (V) 0033317 (20L) CSO:SHE (21L) CCO.USA (22L) ASO:MLA (23L) ACO:MYS

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

Туре	#	Test Name	Condition	Duration	Qual Device: <u>TMS320F28379SPTPQ</u>
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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