




PCN Number:		20150224000		PCN Date:		2/25/2015	
Title:		Qualification of Aizu as an additional Fab site for select devices in the CMOS9T 5V Fab process.					
Customer Contact:		PCN Manager		Dept:		Quality Services	
*Proposed 1st Ship Date:		5/25/2015		Estimated Sample Availability:		Date Provided at Sample request	
Change Type:							
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification	<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	
<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Material	<input type="checkbox"/>	Wafer Bump Process	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials	<input type="checkbox"/>	Wafer Fab Process	<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>	Part number change	<input type="checkbox"/>		<input type="checkbox"/>	
PCN Details							
Description of Change:							
This change notification is to announce the addition of Aizu as an additional Fab site for select devices in the CMOS9T 5V Fab Process in Maine Fab. The affected devices are listed in the "Product Affected" section of this document.							
Fab Site							
Current Site/Process/Wafer Diameter				Additional Site/Process/Wafer Diameter			
MAINEFAB/CMOS9T/200mm				AIZU/CMOS9T/200mm			
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:							
Current							
Chip Site		Chip Site Code (20L)		Chip Country Code (21 L)			
MAINEFAB		CUA		USA			
New							
Chip Site		Chip Site Code (20L)		Chip Country Code (21 L)			
AIZU		CU2		JPN			
Sample Product Shipping Label (not actual product label)							
 TEXAS INSTRUMENTS MADE IN: Malaysia 2DC: 2d:						(1P) SN74LS07NSR (Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY (1T) 7523483SI2 (P) (2P) REV: (V) 0033317 (20L) CSO: SHE (21L) CCO:USA (22L) ASO: MLA (23L) ACO: MYS	
MSL 2 /260C/1 YEAR SEAL DT MSL 1 /235C/UNLIM 03/29/04 OPT: ITEM: 39 LBL: 5A (L)T0:1750							
Product Affected:							
LP875484YFQR		LP875494YFQR					

Qualification Report
CMOS9T DGO Process at Aizu
Approved 01/11/2015

Product Attributes

	Qual Device: LP8754YFQ	QBS Process: LM3533TMX-40/NOPB	QBS Process: LP8556TMX-E09/S1	QBS Process: LP5907UVX-3.3
Attributes				
Wafer Fab Site	AIZU	AIZU	AIZU	AIZU
Wafer Fab Process	CMOS9T DGO	CMOS9T	CMOS9T-5V	CMOS9T
Wafer Diameter	200mm	200mm	200mm	200mm

- QBS: Qual By Similarity
- Qual Device LP8754YFQ is qualified at LEVEL1-260C

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: LP8754YFQ	QBS Process: LM3533TMX-40/NOPB	QBS Process: LP8556TMX-E09/S1	QBS Process: LP5907UVX-3.3
PC	PreCon Level 1	260C	-	3/462/0	3/693/0	3/693/0
HAST	Biased HAST, 110C/85%RH	264 Hours	-	-	2/154/0	-
AC	Autoclave 121C	96 hours	-	3/231/0	-	-
THB	Biased Temperature and Humidity, 85C/85%RH	1000 Hours	-	-	-	3/231/0
UHAST	Unbiased HAST 130C/85%RH	96 Hours	-	-	3/231/0	3/231/0
TC	Temperature Cycle, -65/150C	500 Cycles	-	3/231/0	3/231/0	3/231/0
HTSL	High Temp Storage Bake 150C	500 Hours	-	-	1/77/0	-
HTOL	Life Test, 125C	1000 Hours	3/231/0	-	-	-
ELFR	Early Life Failure Rate, 125C	48 Hours	3/2449/0	-	-	-
HBM	ESD - HBM	1000 V	3/9/0	-	-	-
CDM	ESD - CDM	750 V	3/9/0	-	-	-
LU	Latch-up	25 C	3/18/0	-	-	-
LU	Latch-up	125 C	3/18/0	-	-	-
ED	Electrical Characterization	-	3/90/0	-	-	-
DR	Data Retention, 215C	300 Hours	3/231/0	-	-	-
PC	EPROM Power Cycles (on/off)	10,000 Cycles	3/231/0	-	-	-

- Preconditioning was performed for Autoclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable

- The following are equivalent HTOL options based on an activation energy of 0.7eV : 125C/1k Hours, 140C/480 Hours, 150C/300 Hours, and 155C/240 Hours
- The following are equivalent HTSL options based on an activation energy of 0.7eV : 150C/1k Hours, and 170C/420 Hours
- The following are equivalent Temp Cycle options per JESD47 : -55C/125C/700 Cycles and -65C/150C/500 Cycles

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 regional contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com