

<b>PCN Number:</b>	20200312000.1	<b>PCN Date:</b>	Mar 18, 2020
<b>Title:</b>	Qualification of MIHO8 as an additional Fab and Assembly site options for select ABCD05HV devices		
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services
<b>Proposed 1<sup>st</sup> Ship Date:</b>	Jun 18, 2020	<b>Estimated Sample Availability:</b>	Date provided at sample request.
<b>Change Type:</b>			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification
<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Packing/Shipping/Labeling
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Material
<input checked="" type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials
		<input type="checkbox"/>	Part number change

### PCN Details

**Description of Change:**

Texas Instruments is pleased to announce the qualification of its MIHO8 as additional fabrication facility for the selected devices listed in the "Product Affected" section.

Current Fab Site			Additional Fab Site		
Current Fab Site	Process	Wafer Diameter	Additional Fab Site	Process	Wafer Diameter
MAINEFAB	ABCD05HV	200 mm	MIHO8	ABCD05HV	200 mm

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:**

**Current**

Chip Site	Chip Site Origin (20L)	Chip Site Country Code (21L)	Chip Site City
MAINEFAB	CUA	USA	South Portland

**New Fab Site**

Chip Site	Chip Site Origin (20L)	Chip Site Country Code (21L)	Chip Site City
<b>MIHO8</b>	<b>MH8</b>	<b>JPN</b>	<b>Ibaraki</b>

Sample product shipping label (not actual product label)



MADE IN: Malaysia  
2DC: 20:

MSL 2 / 260C / 1 YEAR	SEAL DT
MSL 1 / 235C / UNLIM	03/29/04

OPT:  
ITEM: 39  
**LBL: 5A (L)T0:1750**





(1P) SN74LS07NSR  
(Q) 2000 (D) 0336  
(31T) LOT: 3959047MLA  
(4W) TKY (1T) 7523483S12  
(P)  
(2P) REV: (V) 0033917  
(20L) CSO: SHE (21L) CCO: USA  
(22L) ASO: MLA (23L) ACO: MYS

**Product Affected:**

LM25117PMH/NOPB	LM25117PSQ/NOPB	LM34937PMH/NOPB	LM34937PSQX/NOPB
LM25117PMHE/NOPB	LM25117PSQE/NOPB	LM34937PMHX/NOPB	
LM25117PMHX/NOPB	LM25117PSQX/NOPB	LM34937PSQ/NOPB	

## Qualification Report

(As per AEC-Q100 and JEDEC Guidelines)

**Approve Date 07-January-2020**

### Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: LM25117QPMHX/NOPB	QBS Process Reference TCAN1042HVDRQ1
HAST	Biased HAST, 130C/85%RH	96 Hours	3/231/0	3/231/0
AC	Autoclave 121C	96 Hours	3/231/0	3/231/0
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0	3/231/0
HTSL	High Temp. Storage Bake, 150C	1000 Hours	1/45/0	1/45/0
HTOL	Life Test, 125C	1000 Hours	3/231/0	3/231/0
ELFR	Early Life Failure Rate, 150C	24 Hours	-	3/2400/0
HBM	ESD - HBM	2000 V	1/3/0	1/3/0
CDM	ESD - CDM	750 V	1/3/0	1/3/0
LU	Latch-up	(per JESD78)	1/6/0	1/6/0
ED	Electrical Distributions	Per datasheet parameters	3/90/0	3/90/0

Qual Device LM25117QPMHX/NOPB is qualified at LEVEL3-260C

**A1 (PC): Preconditioning:**

Performed for THB, Biased HAST, AC, uHAST, TC & PTC samples, as applicable.

**Ambient Operating Temperature by Automotive Grade Level:**

Grade 0 (or E): -40°C to +150°C

Grade 1 (or Q): -40°C to +125°C

Grade 2 (or T): -40°C to +105°C

Grade 3 (or I): -40°C to +85°C

**E1 (TEST): Electrical test temperatures of Qual samples (High temperature according to Grade level):**

Room/Hot/Cold: HTOL, ED

Room/Hot: THB / HAST, TC / PTC, HTSL, ELFR, ESD & LU

Room: AC/uHAST

**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 you can contact your local Field Sales Representative.

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