




PCN Number:	20200507000.1		PCN Date:	May 08, 2020				
Title:	Qualification of TI Malaysia as an additional Assembly site for Select Devices							
Customer Contact:	PCN Manager	Dept:	Quality Services					
Proposed 1st Ship Date:	Aug 08, 2020	Estimated Sample Availability:	Date provided at sample request					
Change Type:								
<input checked="" type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design	<input type="checkbox"/>	Wafer Bump Site			
<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Data Sheet	<input type="checkbox"/>	Wafer Bump Material			
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change	<input type="checkbox"/>	Wafer Bump Process			
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Wafer Fab Site			
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Fab Materials			
				<input type="checkbox"/>	Wafer Fab Process			
PCN Details								
Description of Change:								
Texas Instruments is pleased to announce the qualification of TI Malaysia as an additional assembly site for the list of devices below. There are no construction differences between the current and new site.								
Reason for Change:								
Continuity of Supply								
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):								
None								
Anticipated impact on Material Declaration								
<input checked="" type="checkbox"/>	No Impact to the Material Declaration	<input type="checkbox"/>	Material Declarations or Product Content reports are driven from production data and will be available following the production release. Upon production release the revised reports can be obtained at the site link below http://www.ti.com/quality/docs/materialcontentsearch.tsp					
Changes to product identification resulting from this PCN:								
Assembly Site	Assembly Site Origin (22L)	Assembly Country Code (23L)	Assembly City					
TI Taiwan	TAI	TWN	Chung Ho					
TI Malaysia	MLA	MYS	Kuala Lumpur					
Sample product shipping label (not actual product label)								
 TEXAS INSTRUMENTS MADE IN: Malaysia 2DC: 2G: 								
<table border="1"> <tr> <td>MSL '2 /260C/1 YEAR</td> <td>SEAL DT</td> </tr> <tr> <td>MSL 1 /235C/UNLIM</td> <td>03/29/04</td> </tr> </table>		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) 7523483SI2 (P) (2P) REV: (V) 0033317 (20) 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:								

ISO7730DW	ISO7731DWR	ISO7740FDW	ISO7741FBDWR
ISO7730DWR	ISO7731FBDW	ISO7740FDWR	ISO7741FDW
ISO7730FDW	ISO7731FBDWR	ISO7741BDW	ISO7741FDWR
ISO7730FDWR	ISO7731FDW	ISO7741BDWR	ISO7742DW
ISO7731BDW	ISO7731FDWR	ISO7741DW	ISO7742DWR
ISO7731BDWR	ISO7740DW	ISO7741DWR	ISO7742FDW
ISO7731DW	ISO7740DWR	ISO7741FBDW	ISO7742FDWR



Qualification Report

Approve Date 30-Apr-2020

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: <u>ISO7741FDW</u>	QBS Package Reference: <u>ISO1050DUB</u>
AC	Autoclave 121C	96 Hours	3/231/0	-
HAST	Biased HAST, 130C/85%RH	96 Hours	-	3/231/0
HTOL	Life Test, 125C	1000 Hours	-	3/150/0
HTSL	High Temp Storage Bake 175C	500 Hours	3/231/0	-
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0	-
WBP	Bond Pull	Wires	3/228/0	3/228/0
WBS	Ball Bond Shear	Wires	3/228/0	3/228/0

- QBS: Qual By Similarity
 - Qual Device ISO7741FDW is qualified at LEVEL2-260C
 - Device ISO7741FDW contains multiple dies.
 - 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

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