

PCN Number:	20190514000.1		PCN Date:	May 15 2019										
Title:	Qualification of TI Malaysia (MLA) as an alternate Assembly site for Select Devices													
Customer Contact:	PCN Manager	Dept:	Quality Services											
Proposed 1st Ship Date:	Aug 15 2019	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 checked="" 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"/>		<input type="checkbox"/>	Wafer Fab Process									
PCN Details														
Description of Change:														
Texas Instruments is pleased to announce the qualification of TI Malaysia (MLA) as an Additional Assembly site for the list of devices shown below. Current assembly sites and Material differences are as follows:														
<table border="1"> <thead> <tr> <th></th> <th>Hana</th> <th>TI Malaysia</th> </tr> </thead> <tbody> <tr> <td>Mount Compound</td> <td>SID#400154</td> <td>4211470</td> </tr> <tr> <td>Mold compound</td> <td>SID#450522</td> <td>4221499</td> </tr> </tbody> </table>							Hana	TI Malaysia	Mount Compound	SID#400154	4211470	Mold compound	SID#450522	4221499
	Hana	TI Malaysia												
Mount Compound	SID#400154	4211470												
Mold compound	SID#450522	4221499												
Reason for Change:														
Continuity of Supply														
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):														
None														
Anticipated impact on Material Declaration														
<input type="checkbox"/>	No Impact to the Material Declaration	<input checked="" 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 (21L)	Assembly City											
Hana	HNA	THA	Ayutthaya											
TI Malaysia	MLA	MYS	Kuala Lumpur											

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)TO:1750

(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

Product Affected:

AMC1100DUB	AMC1200BDUB	AMC1200SDUB	ISO1050DUB
AMC1100DUBR	AMC1200BDUBR	AMC1200SDUBR	ISO1050DUBR



**TI Information
Selective Disclosure**

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: ISO1050DUB
AC	Autoclave 121C	96 Hours	3/231/0
CDM	ESD - CDM	1500 V	3/9/0
ED	Electrical Characterization	Per Datasheet Parameters	Pass
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 170C	420 Hours	3/231/0
LI	Lead Pull to Destruction	Leads	1/24/0
SBS	Ball Shear	Wires	3/228/0
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0
WBP	Bond Pull	Wires	3/228/0

- QBS: Qual By Similarity
 - Qual Device ISO1050DUB is qualified at LEVEL4-260C
 - Device ISO1050DUB 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

For questions regarding this notice, e-mails can be sent to the 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
WW PCN Team	PCN_ww_admin_team@list.ti.com