

PCN Number:	20200519001.1		PCN Date:	May 26, 2020	
Title:	Qualification of TI Malaysia as an additional Assembly site for the TAS5805MPWP/R				
Customer Contact:	PCN Manager	Dept:	Quality Services		
Proposed 1st Ship Date:	Aug. 24, 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"/>		<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 TAS5805MPWP/R Device. There are no construction differences between the 2 sites.					
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, New Taipei City		
TI Malaysia	MLA	MYS	Kuala Lumpur		
Sample product shipping label (not actual product label)					
<p> TEXAS INSTRUMENTS 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 </p> <p> (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 </p>					
Product Affected:					
TAS5805MPWP	TAS5805MPWPR				



Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: TAS5805MPWPR	QBS Product Reference: TAS5805MPWPR	QBS Process Reference: TLV62568DBV	QBS Package Reference: TLC5946PWPR	QBS Package Reference: TLC5946PWPR	QBS Package Reference: TLC5946PWPR
AC	Autoclave 121C	96 Hours	1/77/0	-	3/231/0	3/231/0	3/231/0	3/231/0
ED	Electrical Characterization	Per Datasheet Parameters	-	Pass	Pass	-	-	-
ELFR	Early Life Failure Rate, 125C	48 Hours	-	-	3/3000/0	-	-	-
HAST	Biased HAST, 130C/85%RH	96 Hours	-	-	3/231/0	-	-	-
HBM	ESD - HBM	3000 V	-	1/3/0	-	-	-	-
CDM	ESD - CDM	1000 V	-	1/3/0	-	-	-	-
HTOL	Life Test, 150C	300 Hours	-	-	3/231/0	-	-	-
HTSL	High Temp. Storage Bake, 170C	420 Hours	-	-	3/231/0	3/231/0	3/231/0	3/229/0
LU	Latch-up.	(per JESD78)	-	1/6/0	2/12/0	-	-	-
TC	Temperature Cycle, -65/150C	500 Cycles	1/77/0	-	3/231/0	3/231/0	3/231/0	3/231/0
WBP	Bond Pull	Wires	1/76/0	-	-	-	-	-
WBS	Ball Bond Shear	Wires	1/76/0	-	-	-	-	-

- QBS: Qual By Similarity
 - Qual Device TAS5805MPWPR is qualified at LEVEL3-260C
 - 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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