

PCN Number:	20170926007		PCN Date:	Oct. 17, 2017									
Title:	Qualify New Assembly Material set for Selected Device(s)												
Customer Contact:	PCN Manager	Dept:	Quality Services										
Proposed 1st Ship Date:	Jan. 17, 2018		Estimated Sample Availability:	Date provided at sample request									
Change Type:													
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design	<input type="checkbox"/>	Wafer Bump Site								
<input checked="" 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"/>	Wafer Fab Process								
PCN Details													
Description of Change:													
<p>Texas Instruments is pleased to announce the qualification of new assembly material set for devices listed in "Product affected" section below. Devices will remain in current assembly facility and piece part changes as follows:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Material</th> <th>Current</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>Mount compound</td> <td>4042504, 4206201</td> <td>4208458</td> </tr> <tr> <td>Mold compound</td> <td>4205443</td> <td>4211649</td> </tr> </tbody> </table>					Material	Current	Proposed	Mount compound	4042504, 4206201	4208458	Mold compound	4205443	4211649
Material	Current	Proposed											
Mount compound	4042504, 4206201	4208458											
Mold compound	4205443	4211649											
Reason for Change:													
Continuity of supply.													
Anticipated impact on Fit, Form, 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 from the TI Eco-Info website . There is no impact to the material meeting current regulatory compliance requirements with this PCN change.										
Changes to product identification resulting from this PCN:													
None.													
Product Affected:													
BQ78412DDW	SN89044A0DCAR	TPA2000D2PWPG4	TPS5618PWP										
BQ78412DDWR	SN8C0183PWP	TPA2000D2PWPR	TPS56300PWP										
BQ78412DDWT	SN8C0183PWPR	TPA2000D4DAP	TPS56300PWPG4										
BQ78413DDWR	SN906008PWPR	TPA2000D4DAPR	TPS56300PWPR										
BQ78413DDWT	SN94022PWP	TPA2001D2PWP	TPS5633PWP										
BQ78PL412DDW	SN94022PWPR	TPA2001D2PWPR	TPS5633PWPR										
BQ78PL412DDWR	SNB4025DCP-P	TPA3020D2PWP	TPS56520PWP										
DRV104PWP	SNB7082DCAR	TPA3020D2PWPR	TPS56520PWPR										
DRV104PWPG4	SNB7083DCAR	TPA3110D2PWP	TPS56720PWP										

DRV104PWPR	SNB9039DCP-P	TPA3110D2PWPR	TPS56720PWPR
DRV104PWPRG4	TAS3108DCP	TPA3110LD2PWPR	TPS56920PWP
DRV10873PWPR	TAS3108DCPG4	TPA3111D1PWP	TPS56920PWPR
DRV10975PWP	TAS3108DCPR	TPA3111D1PWPR	TPS56C20PWP
DRV10975PWPR	TAS5102DAD	TPA3112D1PWP	TPS56C20PWPR
DRV10975ZPWP	TAS5102DADR	TPA3112D1PWPR	TPS60100PWP
DRV10975ZPWPR	TAS5103DAP	TPA3112SD1PWP	TPS60100PWPR
DRV10983PWP	TAS5103DAPR	TPA3112SD1PWPR	TPS60100PWPRG4
DRV10983PWPR	TAS5111ADAD	TPA3113D2PWP	TPS60101PWP
DRV10983ZPWP	TAS5111ADADG4	TPA3113D2PWPR	TPS60101PWPG4
DRV10983ZPWPR	TAS5111ADADR	TPA3114D2DAD	TPS60110PWP
DRV11873PWPR	TAS5111DAD	TPA3114D2DADR	TPS60110PWPG4
DRV411AIPWP	TAS5112ADCA	TPA3116D2DAD	TPS60110PWPR
DRV411AIPWPR	TAS5112ADFD	TPA3116D2DADR	TPS60110PWPRG4
DRV595DAP	TAS5112ADFDG4	TPA3118D2DAP	TPS60111PWP
DRV595DAPR	TAS5112ADFDR	TPA3118D2DAPR	TPS60111PWPG4
DRV604PWP	TAS5122DCA	TPA3120D2PWP	TPS60111PWPR
DRV604PWPR	TAS5122DCAR	TPA3120D2PWPG4	TPS60120PWP
DRV8301DCA	TAS5122DCARG4	TPA3120D2PWPR	TPS60120PWPR
DRV8301DCAR	TAS5162DDVR	TPA3121D2PWP	TPS60120PWPRG4
DRV8301LDCA	TAS5176DDW	TPA3121D2PWPG4	TPS60121PWP
DRV8301LDCAR	TAS5182DCA	TPA3121D2PWPR	TPS60121PWPG4
DRV8302DCA	TAS5182IDCA	TPA3123D2PWP	TPS60122PWP
DRV8302DCAR	TAS5601DCA	TPA3123D2PWPG4	TPS60122PWPG4
DRV8303DCA	TAS5601DCA-P	TPA3123D2PWPR	TPS60123PWP
DRV8303DCAR	TAS5601DCAR	TPA3124D2PWP	TPS60123PWPR
DRV8312DDW	TAS5602DCA	TPA3124D2PWPR	TPS60124PWP
DRV8312DDWR	TAS5602DCAG4	TPA3124D2PWPRG4	TPS60124PWPG4
DRV8313PWP	TAS5602DCAR	TPA3130D2DAP	TPS60124PWPR
DRV8313PWPR	TAS5721ADCA	TPA3130D2DAPR	TPS60124PWPRG4
DRV8412DDW	TAS5721ADCAR	TPA6010A4PWP	TPS60125PWP
DRV8412DDWR	TAS5721DCA	TPA6010A4PWPR	TPS60125PWPG4
DRV8800PWP	TAS5721DCAR	TPA6011A4PWP	TPS60130PWP
DRV8800PWPR	THS3096PWP	TPA6011A4PWPG4	TPS60130PWPG4
DRV8801PWP	THS3115CPWP	TPA6011A4PWPR	TPS60130PWPR
DRV8801PWPR	THS3115CPWPR	TPA6011A4PWPRG4	TPS60131PWP
DRV8802PWP	THS3115IPWP	TPA6017A2PWP	TPS60131PWPG4
DRV8802PWPR	THS3115IPWPG4	TPA6017A2PWPR	TPS60131PWPR
DRV8803PWP	THS3115IPWPR	TPA6017A2PWPRG4	TPS60131PWPRG4
DRV8803PWP-P	THS3115IPWPRG4	TPA6019A4PWPR	TPS60132PWP
DRV8803PWPR	THS3125CPWP	TPA6019A4PWPRG4	TPS60132PWPG4
DRV8804PWP	THS3125IPWP	TPA6030A4PWP	TPS60133PWP
DRV8804PWP-P	THS3125IPWPR	TPA6030A4PWPG4	TPS60133PWPG4

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DRV8805PWP	THS6022CPWPG4	TPA6030A4PWPRG4	TPS60140PWP
DRV8805PWP-P	THS6022CPWPR	TPIC1386DFDRG4	TPS60140PWPG4
DRV8805PWPR	THS6022CPWPRG4	TPIC1405ADFDRG4	TPS60140PWPR
DRV8806PWP	THS6022IPWP	TPIC1405BDFDRG4	TPS60140PWPRG4
DRV8806PWPR	THS6022IPWPG4	TPIC1407DFDRG4	TPS60141PWP
DRV8808DCAR	THS6022IPWPR	TPIC1408DFDRG4	TPS60141PWPR
DRV8811PWP	THS6022IPWPRG4	TPIC2010RDFDRG4	TPS61175PWP
DRV8811PWPR	THS6043CPWP	TPIC2050RDFDRG4	TPS61175PWPR
DRV8812PWP	THS6043IPWP	TPIC2060ADFDRG4	TPS61196PWPR
DRV8812PWP-P	THS6043IPWPG4	TPIC2060RDFDRG4	TPS61196PWPT
DRV8812PWPR	THS6043IPWPR	TPIC9201PWP	TPS61199PWP
DRV8813PWP	THS6043IPWPRG4	TPIC9201PWPR	TPS61199PWPR
DRV8813PWP-P	THS6053CPWPR	TPIC9202PWP	TPS61500PWP
DRV8813PWPR	THS6053IPWP	TPIC9202PWPR	TPS61500PWPR
DRV8814PWP	THS6053IPWPR	TPL9201PWP	TPS65230A2DCA
DRV8814PWPR	THS6093CPWPR	TPL9201PWPG4	TPS65230A2DCAR
DRV8816PWP	THS6093IPWP	TPL9201PWPR	TPS65231A2DCAR
DRV8816PWPR	THS6093IPWPG4	TPL9201PWPRG4	TPS65232A2DCA
DRV8818PWP	THS6093IPWPR	TPL9202PWP	TPS65232A2DCAR
DRV8818PWPR	THS6093IPWPRG4	TPL9202PWPG4	TPS65241A0DCA
DRV8821DCA	THS6184PWP	TPL9202PWPR	TPS65241A0DCAR
DRV8821DCAR	THS6184PWPR	TPL9202PWPRG4	TPS65273VDAPR
DRV8823DCA	THS7001CPWP	TPS2140IPWPR	TPS65276DAP
DRV8823DCAR	THS7001CPWPG4	TPS2141IPWP	TPS65276DAPR
DRV8824PWP	THS7001CPWPR	TPS2141IPWPG4	TPS65276VDAPR
DRV8824PWPR	THS7001IPWP	TPS2141IPWPR	TPS65279DAP
DRV8825PWP	THS7001IPWPG4	TPS2141IPWPRG4	TPS65279DAPR
DRV8825PWPR	THS7002CPWP	TPS2150IPWP	TPS65279VDAPR
DRV8828PWP	THS7002IPWP	TPS2150IPWPG4	TPS65580PWP
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DRV8829PWPR	THS7530PWPG4	TPS2151IPWPG4	TPS65581PWPR
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DRV8833CPWPR	TLC074AIPWP	TPS2151IPWPRG4	TPS73HD318PWPG4
DRV8834PWP	TLC074CPWP	TPS2155IPWP	TPS73HD318PWPR
DRV8834PWPR	TLC074CPWPG4	TPS2211APWP	TPS73HD325PWP
DRV8840PWP	TLC074CPWPR	TPS2211APWPG4	TPS73HD325PWPG4
DRV8840PWPR	TLC074IPWP	TPS2211APWPR	TPS73HD325PWPR
DRV8841PWP	TLC075AIPWP	TPS2211APWPRG4	TPS75101QPWP
DRV8841PWPR	TLC075CPWP	TPS2236DAP	TPS75101QPWPG4
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DRV8842PWPR	TLC084AIPWP	TPS23751PWPR	TPS75115QPWP

DRV8843PWP	TLC084AIPWPR	TPS23752PWP	TPS75115QPWPG4
DRV8843PWPR	TLC084AIPWPRG4	TPS23752PWPR	TPS75115QPWPR
DRV8844PWP	TLC084CPWP	TPS23754PWP	TPS75115QPWPRG4
DRV8844PWPR	TLC084CPWPR	TPS23754PWP-1	TPS75118QPWP
DRV8860PWPR	TLC084IPWP	TPS23754PWPR	TPS75118QPWPG4
DRV8892PWP-P	TLC084IPWPR	TPS23754PWPR-1	TPS75118QPWPR
DRV8894PWP-P	TLC084IPWPRG4	TPS23756PWP	TPS75125QPWP
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HPA00736PWPR	TLC085CPWP	TPS23784PWP	TPS75125QPWPR
HPA00776PWPR	TLC5921DAP	TPS23784PWPR	TPS75133QPWP
HPA00836PWPR	TLC5921DAP-P	TPS23785BPWP	TPS75133QPWPG4
HPA00928PWPR	TLC5921DAPR	TPS23785BPWPR	TPS75133QPWPR
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HPA01054DAPR	TLC5922DAPG4	TPS23785PWPR	TPS75201QPWPR
HPA01070PWPR	TLC5922DAP-P	TPS2830PWP	TPS75201QPWPRG4
HPA01124PWPR	TLC5922DAPR	TPS2830PWPG4	TPS75215QPWP
HPA02316MDCAR	TLC5922DAPRG4	TPS2830PWPR	TPS75215QPWPG4
OPA561PWP	TLC5923DAP	TPS2830PWPRG4	TPS75215QPWPR
OPA561PWP/2K	TLC5923DAPG4	TPS2834PWP	TPS75218QPWP
OPA561PWP/2KG4	TLC5923DAPR	TPS2834PWPR	TPS75218QPWPG4
OPA561PWPG4	TLC5923DAPRG4	TPS2835PWP	TPS75218QPWPR
PCM1681GPWPR	TLC5924DAP	TPS51116PWP	TPS75225QPWP
PCM1681PWP	TLC5924DAPG4	TPS51116PWPG4	TPS75225QPWPG4
PCM1681PWPG4	TLC5924DAPR	TPS51116PWP-P	TPS75225QPWPR
PCM1681PWPR	TLC5924DAPRG4	TPS51116PWPR	TPS75225QPWPRG4
PCM1681PWPRG4	TLC5930PWP	TPS51116PWPRG4	TPS75233QPWP
PCM1690DCA	TLC5942PWP	TPS54225PWP	TPS75233QPWPG4
PCM1690DCAR	TLC5942PWPG4	TPS54225PWPR	TPS75233QPWPR
PSN03007A1DCA	TLC5947DAP	TPS54226PWP	TPS75233QPWPRG4
PSN03007A1DCAR	TLC5947DAPG4	TPS54226PWPR	TPS75301QPWP
PSN9A040PWP	TLC5947DAP-P	TPS54290PWP	TPS75301QPWPR
PSNB7083A0DCA	TLC5947DAPR	TPS54290PWPR	TPS75301QPWPRG4
SC76025A1DCAR	TLC5947DAPRG4	TPS54291PWP	TPS75315QPWP
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SN004044W0PWPR	TLC5951DAPR	TPS54292PWP	TPS75318QPWPR
SN03007DCA	TLC5952DAP	TPS54292PWPR	TPS75325QPWP
SN03007DCAR	TLC5952DAPR	TPS542941PWP	TPS75325QPWPG4
SN04057PWP	TLC5955DCA	TPS542941PWPR	TPS75325QPWPR
SN0608006PWPR	TLC5955DCAR	TPS54294PWP	TPS75333QPWP
SN0701064PWPR	TLC59711PWP	TPS54294PWPR	TPS75333QPWPG4
SN0809080DAPR	TLC59711PWPR	TPS542951PWP	TPS75333QPWPR
SN09046PWP	TLC5971PWP	TPS542951PWPR	TPS75333QPWPRG4
SN09046PWPR	TLC5971PWPR	TPS54295PWP	TPS75401QPWP

SN0910037PWPR	TLS2505ECDCARG4	TPS54295PWPR	TPS75401QPWPG4
SN0910038PWPR	TLS2505JDCARG4	TPS54325PWP	TPS75401QPWPR
SN1002018DAPR	TLS2601HDCARG4	TPS54325PWPR	TPS75401QPWPRG4
SN1011047PWPR	TLS2602TDCARG4	TPS54325RPWPR	TPS75415QPWP
SN10503PWP	TLS2605RDCARG4	TPS54326PWP	TPS75415QPWPG4
SN1107015PWPR	TLS2605SDCARG4	TPS54326PWPR	TPS75418QPWP
SN1107068DCAR	TPA0102PWP	TPS54394PWP	TPS75418QPWPG4
SN1108010DCAR	TPA0102PWPG4	TPS54394PWP-P	TPS75418QPWPR
SN1202003HDCAR	TPA0102PWPR	TPS54394PWPR	TPS75425QPWP
SN1202003KDCAR	TPA0102PWPRG4	TPS54395PWP	TPS75425QPWPG4
SN1202033DAPR	TPA0103PWP	TPS54395PWPR	TPS75425QPWPR
SN1302008DCAR	TPA0103PWPR	TPS54425PWP	TPS75433QPWP
SN13020PWPR	TPA0112PWP	TPS54425PWPR	TPS75433QPWPG4
SN1401009PWP	TPA0112PWPG4	TPS54426PWP	TPS75433QPWPR
SN1401009PWPR	TPA0122PWPR	TPS54426PWPR	TPS767D301PWP
SN1406009PWPR	TPA0142PWP	TPS54429EPWP	TPS767D301PWPG4
SN1406033DAP	TPA0142PWPR	TPS54429EPWPR	TPS767D301PWPR
SN1406033DAPR	TPA0152PWP	TPS54429PWP	TPS767D301PWPRG4
SN1B044PWPR	TPA0152PWPR	TPS54429PWPR	TPS767D318PWP
SN22020PWPR	TPA0162PWP	TPS54494PWP	TPS767D318PWPG4
SN65HVS880PWP	TPA0162PWPG4	TPS54494PWPR	TPS767D318PWPR
SN65HVS880PWPR	TPA0162PWPR	TPS54495PWP	TPS767D325PWP
SN65HVS881PWP	TPA0172PWP	TPS54495PWPR	TPS767D325PWPG4
SN65HVS881PWPR	TPA0172PWPG4	TPS54526PWP	TPS767D325PWPR
SN65HVS882PWP	TPA0172PWPR	TPS54526PWPR	UCD7100PWP
SN65HVS882PWPG4	TPA0172PWPRG4	TPS54625PWP	UCD7100PWPG4
SN65HVS882PWPR	TPA0202PWP	TPS54625PWPR	UCD7100PWPR
SN65HVS882PWPRG4	TPA0202PWPR	TPS54626PWP	UCD7100PWPRG4
SN65HVS883PWP	TPA0212PWP	TPS54626PWPR	UCD7201PWP
SN65HVS883PWPR	TPA0212PWPG4	TPS54672PWP	UCD7201PWPG4
SN65HVS885PWP	TPA0212PWPR	TPS54672PWPG4	UCD7201PWPR
SN65HVS885PWPR	TPA0212PWPRG4	TPS54672PWPR	UCD7201PWPRG4
SN69035A1DCA	TPA0232PWP	TPS54672PWPRG4	UCD7230PWP
SN69035A1DCAR	TPA0242PWP	TPS54872PWP	UCD7230PWPG4
SN79078A2DCAR	TPA0252PWP	TPS54872PWPG4	UCD7230PWPR
SN7A005A1DCA	TPA0252PWPG4	TPS54872PWPR	UCD8220PWP
SN7A005A1DCAR	TPA0252PWPR	TPS54872PWPRG4	
SN81024DCAR	TPA0312PWP	TPS56100PWP	
SN88077A0DCAR	TPA2000D2PWP	TPS56100PWPG4	

Qualification Report

HTSSOP Enterprise Qualification

Approve Date 22-Sep-2017

Product Attributes

Attributes	Qual Device: DRV11873PWPR	Qual Device: TAS3108DCPR	Qual Device: TAS5162DDVR	Qual Device: TLS2605RDCARG4
Assembly Site	TAI	TAI	TAI	TAI
Package Family	HTSSOP	HTSSOP	HTSSOP	HTSSOP
Flammability Rating	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0
Wafer Fab Supplier	RFAB	RFAB	DMOS 5	MH8
Wafer Fab Process	LBC7	C05.#	LBC5	LBC7

Attributes	Qual Device: TPS54226PWPR	Qual Device: TPS65279VDAPR	QBS Package Reference: TPS54610PWP	QBS Package Reference: TPS653853QDCARQ1
Assembly Site	TAI	TAI	TAI	TAI
Package Family	HTSSOP	HTSSOP	TSSOP	HTSSOP
Flammability Rating	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0
Wafer Fab Supplier	MH8	RFAB	DFAB	RFAB/DMOS6 (MFF)
Wafer Fab Process	LBC7	LBC7	LBC4	LBC8

- QBS: Qual By Similarity

- Qual Devices qualified at LEVEL2-260CG: DRV11873PWPR, TPS54226PWPR

- Qual Device TPS65279VDAPR is qualified at LEVEL1-260CG

- Qual Devices qualified at LEVEL3-260CG: TAS5614LADDVR, TLS2605RDCARG4, TAS5162DDVR, TAS3108DCPR

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: DRV11873PWPR	Qual Device: TAS3108DCPR	Qual Device: TAS5162DDVR	Qual Device: TLS2605RDCARG4
AC	Autoclave 121C	96 Hours	3/231/0	3/231/0	3/231/0	3/230/0
CDM	ESD - CDM - Q100	1000 V corner pins only	-	-	-	-
CDM	ESD - CDM - Q100	750 V (all pins)	-	-	-	-
ED	Auto Electrical Distributions	Cpk>1.67 Room, hot, and cold test				
ED	Electrical Characterization	Per Datasheet Parameters	-	-	-	-
ELFR	Early Life Failure Rate, 125C	48 Hours	-	-	-	-
HAST	Biased HAST, 130C/85%RH	96 Hours	-	-	-	-
HAST	Biased HAST, 130C/85%RH	192 Hours (for information)				
HBM	ESD - HBM - Q100	2000 V	-	-	-	-
HTOL	Life Test, 125C	1000 Hours	-	-	-	-
HTSL	High Temp. Storage Bake, 150C	1000 Hours	-	-	-	-
HTSL	High Temp. Storage Bake, 170C	420 Hours	3/231/0	3/231/0	3/231/0	3/231/0
LU	Latch-up	(per JESD78)	-	-	-	-
MQ	Manufacturability (Assembly)	(per mfg. Site specification)	Pass	Pass	Pass	Pass

MQ	Manufacturability (Auto Assembly)	(per automotive requirements)	-	-	-	-
PD	Physical Dimensions	Cpk > 1.67	-	-	-	-
PTC	Power Temperature Cycle, -40/125C	1000 Cycles	-	-	-	-
SD	Surface Mount Solderability	>95% Lead Coverage	-	-	-	-
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0	3/231/0	3/231/0	3/231/0
TC	Temperature Cycle, -65/150C	1000 Cycles	-	-	-	-
WBP	Post Temp. Cycle Bond Pull	500 Cycles	-	-	-	-
WBP	Bond Pull	Wires	3/228/0	3/228/0	3/228/0	3/228/0
WBS	Bond Shear	Wires	3/228/0	3/228/0	3/228/0	3/228/0

Type	Test Name / Condition	Duration	Qual Device: TPS54226PWPR	Qual Device: TPS65279VDAPR	QBS Package Reference: TPS54610PWP	QBS Package Reference: TPS653853QDCARQ1
AC	Autoclave 121C	96 Hours	3/231/0	-	-	3/231/0
CDM	ESD - CDM - Q100	1000 V corner pins only	-	-	-	1/3/0
CDM	ESD - CDM - Q100	750 V (all pins)	-	-	-	1/3/0
ED	Auto Electrical Distributions	Cpk>1.67 Room, hot, and cold test	-	-	-	1/90/0
ED	Electrical Characterization	Per Datasheet Parameters	-	-	1/5/0	-
ELFR	Early Life Failure Rate, 125C	48 Hours	-	-	-	3/2400/0
HAST	Biased HAST, 130C/85%RH	96 Hours	-	-	-	3/231/0
HAST	Biased HAST, 130C/85%RH	192 Hours (for information)	-	-	-	3/231/0
HBM	ESD - HBM - Q100	2000 V	-	-	-	2/6/0
HTOL	Life Test, 125C	1000 Hours	-	-	-	3/231/0
HTSL	High Temp. Storage Bake, 150C	1000 Hours	-	-	-	3/231/0
HTSL	High Temp. Storage Bake, 170C	420 Hours	3/231/0	-	-	-
LU	Latch-up	(per JESD78)	-	-	-	1/6/0
MQ	Manufacturability (Assembly)	(per mfg. Site specification)	Pass	Pass	Pass	-
MQ	Manufacturability (Auto Assembly)	(per automotive requirements)	-	-	-	Pass
PD	Physical Dimensions	Cpk > 1.67	-	-	-	3/30/0
PTC	Power Temperature Cycle, -40/125C	1000 Cycles	-	-	-	1/45/0
SD	Surface Mount Solderability	>95% Lead Coverage	-	-	-	1/15/0
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0	3/231/0	-	3/231/0
TC	Temperature Cycle, -65/150C	1000 Cycles	-	-	-	3/231/0
WBP	Post Temp. Cycle Bond Pull	500 Cycles	-	-	-	3/15/0

WBP	Bond Pull	Wires	3/228/0	3/228/0	-	1/30/0
WBS	Bond Shear	Wires	3/228/0	3/228/0	-	1/30/0

- 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