PCN Nur	nber: 20210416	5002.1				PCN D	ate: Ma	ay 5, 2021	
Title:	Qualification of alte	ernate	BOM items	for select	devices				
Custome	er Contact: PCN A	Manage	<u>Dept:</u>		uality Servi		_		
Propose	d 1 st Ship Date:	Aug.	5, 2021		stimated: Avail	Sample lability:	Date pro sample r		
Change	Type:	l			710011		campie i	<u>equest</u>	
Asse	mbly Site		Design	1		Wafe	r Bump Si	te	
	mbly Process		Data S	Sheet		Wafe	r Bump M	aterial	
	mbly Materials			umber cha	ange		r Bump Pr		
	nanical Specification		Test S				r Fab Site		
Pack	ing/Shipping/Labeli	ing	Test P	rocess			r Fab Mate		
			PCN	l Detail:	<u> </u>	Wafe	r Fab Proc	ess	
Descript	ion of Change:		1 01	- Detain	<u>, </u>				
	is to inform of an a	lterna	tive BOM it	ems for th	e devices in	n the pro	duct affect	ted section	
as follows	s:					·			
Group 1	change description	on							
	Current Bond w		rocess &	Addit	ional Bond	-	ocess &		
	Diam	eter			diam				
	All bond wires -	- Au, (0.96 mils		ter die - A				
				Die to	Leadfram	e – Cu,	1.0 mils		
Group 2	change description	on							
C. Cup =	Current Bond wi		ameter -	Addit	ional Bond	wire pr	ocess &		
	die to				liameter -	_			
	Au/0.9	6 mils	5		Cu/1.0 mils				
G 3	ahawaa daaawinti							_	
Group 3	change description	on 	Curre	ent	Addition	al bond	wire, dia	meter	
Во	nd Wire, diamete	r	Au, 0.8	mils		Cu, 0.8	-		
	Mold Compound		420862			4222			
	riola compouna		SID#44			7222	.150		
Croup 4	change descripti	•							
Group 4	Current Bond v		Diameter	Addit	ional Bond	l wire, d	iameter		
	Au, 1					96 mil		7	
Group 5	change description	on						_	
	Current Bond		, Diameter	Addi	tional Bon	d wire,	diameter		
	Au,	il		Cu, 0	.96 mil				
Group 6	change description	on							
	Current Bond		, Diameter	Addit	ional Bond	wire, di	iameter		
		1 mil			Cu, 0.	-			
	<u> </u>							I	
_									
	for Change:								
Continuit	v of supply								

- 1) To align with world technology trends and use wiring with enhanced mechanical and electrical properties
- 2) Maximize flexibility within our Assembly/Test production sites.
- 3) Cu is easier to obtain and stock

Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):

None

Anticipated impact on Material Declaration

 \boxtimes

No Impact to the Material Declaration

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:

None

Product Affected:

Group 1 Device list:

SN21220ADR	UCC21540ADWR	UCC5310MCD	UCC5350MCDR
SN21220DR	UCC21540DW	UCC5310MCDR	UCC5350MCDWV
UCC21220AD	UCC21540DWK	UCC5310MCDWV	UCC5350MCDWVR
UCC21220ADR	UCC21540DWKR	UCC5310MCDWVR	UCC5350SBD
UCC21220D	UCC21540DWR	UCC5320ECD	UCC5350SBDR
UCC21220DR	UCC21541DW	UCC5320ECDR	UCC5390ECD
UCC21222D	UCC21541DWR	UCC5320SCD	UCC5390ECDR
UCC21222DR	UCC21542ADWKR	UCC5320SCDR	UCC5390ECDWV
UCC21530DWK	UCC21542DWKR	UCC5320SCDWV	UCC5390ECDWVR
UCC21530DWKR	UCC21542DWR	UCC5320SCDWVR	UCC5390SCD
UCC21540ADWK	UCC5304DWV	UCC5350MCD	UCC5390SCDR
UCC21540ADWKR	UCC5304DWVR		

Group 2 Device list:

ISO7730DW	ISO7741DW	ISO7762DW	ISO7831DW
ISO7730DWR	ISO7741DWR	ISO7762DWR	ISO7831DWR
ISO7730FDW	ISO7741FBDW	ISO7762FDW	ISO7831FDW
ISO7730FDWR	ISO7741FBDWR	ISO7762FDWR	ISO7831FDWR
ISO7731BDW	ISO7741FDW	ISO7763DW	ISO7840DW
ISO7731BDWR	ISO7741FDWR	ISO7763DWR	ISO7840DWR
ISO7731DW	ISO7742DW	ISO7763FDW	ISO7840FDW
ISO7731DWR	ISO7742DWR	ISO7763FDWR	ISO7840FDWR
ISO7731FBDW	ISO7742FDW	ISO7820LLDW	ISO7841DW
ISO7731FBDWR	ISO7742FDWR	ISO7820LLDWR	ISO7841DWR
ISO7731FDW	ISO7760DW	ISO7821LLDW	ISO7841FDW
ISO7731FDWR	ISO7760DWR	ISO7821LLDWR	ISO7841FDWR

ISO7740DW	ISO7760FDW	ISO7821LLSDW	ISO7842DW	
ISO7740DWR	ISO7760FDWR	ISO7821LLSDWR	ISO7842DWR	
ISO7740FDW	ISO7761DW	ISO7830DW	ISO7842FDW	
ISO7740FDWR	ISO7761DWR	ISO7830DWR	ISO7842FDWR	
ISO7741BDW	ISO7761FDW	ISO7830FDW	SN1506011DW	
ISO7741BDWR	ISO7761FDWR	ISO7830FDWR	SN1506011DWR	

Group 3 Device list:

TPS23880RTQR	TPS23881ARTQT	TPS23882RTQR	TPS2388RTQR
TPS23880RTQT	TPS23881RTQR	TPS23882RTQT	TPS2388RTQT
TPS23881ARTOR	TPS23881RTQT		

Group 4 Device list:

LM70CIMM-3	LM70CIMMX-3/NOPB	LM75BIMM-5/NOPB	LM77CIMM-3/NOPB
LM70CIMM-3/NOPB	LM70CIMMX-5/NOPB	LM75BIMMX-3/NOPB	LM77CIMM-5/NOPB
LM70CIMM-5	LM75BIMM-3	LM75BIMMX-5/NOPB	LM77CIMMX-3/NOPB
LM70CIMM-5/NOPB	LM75BIMM-3/NOPB		

Group 5 Device list:

LM74CIM-3	LM74CIMX-5/S7001825	LM75BIMX-5	LM77CIM-5/NOPB
LM74CIM-3/NOPB	LM75BIM-3	LM75BIMX-5/NOPB	LM77CIMX-3/NOPB
LM74CIM-5	LM75BIM-3/NOPB	LM76CHM-5	LM77CIMX-5/NOPB
LM74CIM-5/NOPB	LM75BIM-5	LM76CHM-5/NOPB	LM92CIM
LM74CIMX-3	LM75BIM-5/NOPB	LM76CHMX-5/NOPB	LM92CIM/NOPB
LM74CIMX-3/NOPB	LM75BIMX-3	LM77CIM-3	LM92CIMX/NOPB
LM74CIMX-5/NOPB	LM75BIMX-3/NOPB	LM77CIM-3/NOPB	

Group 6 Device list:

LM26LVCISD-115/NOPB	LM57BISDX-10/NOPB	LM95233CISD
LM26LVCISD-120/NOPB	LM57BISDX-5/NOPB	LM95233CISD/NOPB
LM26LVCISD-125/NOPB	LM57CISD-10/NOPB	LM95233CISDX/NOPB
LM26LVCISD-135/NOPB	LM57CISD-5/NOPB	LM95234CISD/NOPB
LM26LVCISD-140/NOPB	LM57CISDX-10/J7002636	LM95234CISDX/NOPB
LM26LVCISD-145/NOPB	LM57CISDX-10/NOPB	LM96063CISD/NOPB
LM26LVCISD-150/NOPB	LM57CISDX-5/NOPB	LM96063CISDX/NOPB
LM26LVCISDX-060/NOPB	LM71CISD/NOPB	LM96163CISD/NOPB
LM26LVCISDX-120/NOPB	LM95213CISD/NOPB	LM96163CISDX/NOPB
LM57BISD-10/NOPB	LM95214CISD/NOPB	LM96194CISQ/NOPB
LM57BISD-5/NOPB	LM95214CISDX/NOPB	LM96194CISQX/NOPB
	LM26LVCISD-120/NOPB LM26LVCISD-125/NOPB LM26LVCISD-135/NOPB LM26LVCISD-140/NOPB LM26LVCISD-145/NOPB LM26LVCISD-150/NOPB LM26LVCISDX-060/NOPB LM26LVCISDX-120/NOPB LM26LVCISDX-120/NOPB	LM26LVCISD-120/NOPB LM57BISDX-5/NOPB LM26LVCISD-125/NOPB LM57CISD-10/NOPB LM26LVCISD-135/NOPB LM57CISD-5/NOPB LM26LVCISD-140/NOPB LM57CISDX-10/J7002636 LM26LVCISD-145/NOPB LM57CISDX-10/NOPB LM26LVCISD-150/NOPB LM57CISDX-5/NOPB LM26LVCISDX-060/NOPB LM71CISD/NOPB LM26LVCISDX-120/NOPB LM95213CISD/NOPB LM57BISD-10/NOPB LM95214CISD/NOPB

Group 1 Qual Memo:



TI Information Selective Disclosure

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

Туре	Test Name / Condition	Duration	Qual Device: UCC21220DR	Qual Device: UCC5304DWVR	Qual Device: UCC5390ECDWVR	QBS Package Reference: UCC21520ADWR	QBS Package Reference: UCC23513DWY PG1.0	QBS Package Reference: <u>UCC23513DWY</u> <u>PG2.0</u>
AC	Autoclave 121C	96 Hours	-	-	-	3/231/0	3/231/0	1/77/0
CDM	ESD - CDM	1500 V	-	-	-	-	1/3/0	1/3/0
ED	Electrical Characterization	Per Datasheet Parameters	1/30/0	1/30/0	1/30/0	-	-	-
HAST	Biased HAST, 130C/85%RH	96 Hours	-	-	-	3/231/0	3/231/0	1/77/0
HBM	ESD - HBM	4000 V	-	-	-	-	1/3/0	1/3/0
HTOL	Life Test, 125C	1000 Hours	-	-	-	1/77/0	3/231/0	1/77/0
HTSL	High Temp Storage Bake 170C	420 Hours	-	-	-	3/231/0	3/231/0	-
LU	Latch-up	(per JESD78)	-	-	-	-	1/6/0	1/6/0
TC	Temperature Cycle, - 65/150C	500 Cycles	1/77/0	1/77/0	-	3/231/0	3/231/0	1/77/0
WBS	Wire Bond Shear	76 Wires	Pass	Pass	Pass	-	-	-
WBP	Wire Bond Pull	76 Wires	Pass	Pass	Pass	-	-	-

- 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

Group 2 Qual Memo:



TI Information Selective Disclosure

Approve Date 22-Feb-2021

Qualification Results

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

Туре	Test Name / Condition	Duration	Device: ISO7763DW	Device: ISO7841FDW	Reference: UCC21520ADWR	Reference: ISO7741FQDWQ1
AC	Autoclave 121C	96 Hours	1/77/0	1/77/0	3/231/0	-
HAST	Biased HAST, 130C/85%RH	96 Hours	-	-	3/231/0	-
HTOL	Life Test, 125C	1000 Hours	-	-	1/77/0	3/231/0
HTSL	High Temp Storage Bake 170C	420 Hours	-	-	3/231/0	-
TC	Temperature Cycle, - 65/150C	500 Cycles	1/77/0	1/77/0	3/231/0	-
WBP	Bond Pull	Wires	1/76/0	1/76/0	-	-
WBS	Ball Bond Shear	Wires	1/76/0	1/76/0	-	-

- QBS: Qual By Similarity
- Qual Devices ISO7841FDW and ISO7763DW are qualified at LEVEL2-260C
- Devices ISO7763DW and ISO7841FDW contain 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

Group 3 Qual Memo:



TI Information ective Disclosure

Qualification Report Approve Date 04-Mar-2021

Qualification Results

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

•	Data Displayed as. Number of lots / Total sample size / Total failed									
Туре	Test Name / Condition	Duration	Qual Device: TPS23881ARTQ / TPS23881RTQ	QBS Product Reference: TPS23881ARTQ / TPS23881RTQ	QBS Product Reference: TP S2388RTQ	QBS Product Reference: TPS2388RTQ	QBS Process Reference: SN96019PFP	QBS Package Reference: ADS8548 SRGCR	QBS Package Reference: TMP461AIRUN	QBS Package Reference: TPS51217DS CR
ACLV	Autoclave 121C	96 Hours	3/231/0	-	-	-	3/240/0	3/231/0	-	3/231/0
ED	Electrical Characterization	Per Datasheet Parameter S	3/Pass	Pass	Pass	Pass	Pass	-	Pass	-
CDM	ESD - CDM	1500 V	-	1/3/0	1/3/0	1/3/0	3/9/0	-	-	-
HBM	ESD - HBM	2500 V	-	1/3/0	-	1/3/0	-	-	1/3/0	-
HAST	Biased HAST, 130C/85%RH	96 Hours	3/231/0	-	1/77/0	-	3/240/0	3/231/0	-	-
HAST	Biased HAST, 130C/85%RH	192 Hours	3/231/0	-	-	-	-	-	-	-
HTOL	Life Test, 145C	400 Hours	-	-	1/77/0	1/77/0	-	-	-	-
HTOL	Life Test, 125C	1000 Hours	-	-	-	-	3/239/0	-	-	-
HTOL	Life Test, 150C	300 Hours	-	-	-	-	-	-	-	3/231/0
HTSL	High Temp Storage Bake 150C	1000 Hours	3/231/0	-	-	-	-	-	-	-
HTSL	High Temp Storage Bake 170C	420 Hours	-	-	1/77/0	-	3/240/0	3/231/0	-	3/231/0
LU	Latch-up	(per JESD78)	-	1/6/0	1/6/0	1/6/0	1/6/0	-	1/6/0	-
TC	Temperature Cycle, - 65/150C	500 Cycles	3/231/0	-	1/77/0	1/77/0	3/231/0	3/231/0	3/231/0	3/231/0
TPI	Thermal Path Integrity (Cu Wire)	(per the appropriate pkg level)	1/12/0	-	-	-	-	-	-	-
UHAST	Unbiased HAST 130C/85%RH	96 Hours	-	-	1/77/0	=	=	=	3/231/0	=
MQ	Manufacturability (Assembly)	(per mfg. Site	3/Pass	-	-	-	-	-	-	-

Туре	Test Name / Condition	Duration	Qual Device: TPS23881ARTQ/ TPS23881RTQ	QBS Product Reference: TPS23881ARTQ / TPS23881RTQ	QBS Product Reference: TPS2388RTQ	QBS Product Reference: TPS2388RTQ	QBS Process Reference: SN96019PFP	QBS Package Reference: ADS8548SRGCR	QBS Package Reference: TMP461AIRUN	QBS Package Reference: <u>TPS51217DS</u> <u>CR</u>
		specificatio								
		n)								
		30 wires								
BPS	Wire Pull	minimum	3/90/0	-	-	-	-	-	-	-
		of 5 units								
		30 wires								
BPS	Bond Shear	minimum	3/90/0	-	-	-	-	-	-	-
		of 5 units								
YLD	FTY and BIN Analysis	3/90/0	4/Pass (A)	Pass	Pass	Pass	-	-	-	-

Note:
A – FTY and Bin Analysis were performed on 4 products - TPS23880RTQ, TPS23881ARTQ, TPS23881RTQ, TPS238881RTQ, TPS23881RTQ, TPS25881RTQ, TPS258

- 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

⁻ QBS: Qual By Similarity
- Qual Device TPS23881RTQ and TPS23881ARTQ are qualified at LEVEL3-260C

Group 4 Qual Memo:



TI Information Selective Disclosure

Qualification Results

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

Туре	Test Name / Condition	Duration	Qual Device: LMV852MMX	Qual Device: LMC6482IMM	
PC	PreCon Level 1	Level 1-260C	3/462/0	3/462/0	
HAST	Biased HAST, 130C/85%RH	96/hrs. @130C	-	-	
AC	Autoclave 121C	96HRS	3/231/0	3/231/0	
TC	Temperature Cycle, -65/150C	C TMCL500X 3/231/0		3/231/0	
HTSL	High Temp Storage Bake 150C	1000 hrs. @150C	-	-	
MQ	Manufacturability (Assembly)	(per mfg. Site specification)	Pass	Pass	
DPA	Destructive Physical Analysis Post 500 Temp Cycle	x-section and de process to examine assembly robustness, Check for stich bond and bond pad integrity	3/15/0	3/15/0	
YLD	FTY and Bin Summary	Compare against baseline	Pass	Pass	

⁻ Preconditioning was performed for Autoclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable

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

⁻ 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

Group 5 Qual Memo:



TI Information Selective Disclosure

Approved on 11-Nov-2013

Qualification Results

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

Туре	Test Name / Condition	Duration	Qual Device: DS90CP22MXA1CL	Qual Device: LMV324MX	Qual Device: LP2995MXNOPB	Qual Device: LMC6482AIM/NOPB
PC	PreCon Level 1	Level 1-260C	3/462/0	-	3/462/0	3/693/0
HAST	Biased HAST, 130C/85%RH	96/hrs. @130C	-	-	-	3/231/0
AC	Autoclave 121C	96HRS	3/231/0	-	3/231/0	3/231/0
TC	Temperature Cycle, -65/150C	TMCL500X	3/231/0	-	3/231/0	3/231/0
HTSL	High Temp Storage Bake 150C	1000 hrs. @150C	-	-	-	1/77/0
MQ	Manufacturability (Assembly)	(per mfg. Site specification)		Pass	Pass	Pass
DPA	Destructive Physical Analysis Post 500 Temp Cycle	x-section and de process to examine assembly robustness, Check for stich bond and bond pad integrity	3/15/0	-	3/15/0	3/15/0
YLD	FTY and Bin Summary	Compare against baseline	-	Pass	Pass	Pass

⁻ Preconditioning was performed for Autoclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable

Green/Pb-free Status:

Qualified Pb-Free(SMT) and Green

⁻ 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/

Group 6 Qual Memo:

Approved on 23-Sep-2014

Qualification Results

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

Typ e	Test Name / Condition	Duratio n	Qual Device: DP83848T SQ	Qual Device: DS91M040TSQ AW	Qual Device: DS100DX410E L16	Qual Device: DS80PCI402A 2TT	Qual Device: LMH0366SQEN OPB	Qual Device: LMH0394SQ/N OPB
PC	PreCon Level 1	Level 1- 260C					3/720/0	
PC	PreCon Level 2	Level 2- 260C	3/1079/0		-	3/720/0	-	-
PC	PreCon Level 3	Level 3- 260C	-	1/255/0	3/720/0	-	-	3/231/0
HAST	Biased HAST, 130C/85%RH	96/hrs. @130C	-	-	-	-	-	3/231/0
AC	Autoclave 121C	96HRS	3/231/0	1/77/0	3/231/0	3/231/0	3/231/0	-
UHAS T	Unbiased HAST 130C/85%RH	unHAST- 96 HRS/-	3/231/0	1/77/0	3/231/0	3/231/0	3/231/0	-
TC	Temperature Cycle, - 65/150C	TMCL500 X	3/231/0	1/77/0	3/231/0	3/231/0	3/231/0	-
HTSL	High Temp Storage Bake 170C	420 hrs. @170C	3/231/0	-	-	3/231/0	-	-
ED	Side By Side Electrical Characterizati on.	Per Datasheet Parameter s	1/30/0	1/30/0	1/30/0	1/30/0	1/30/0	-
MQ	Manufacturab ility (Assembly)	(per mfg. Site specificati on)	Pass	Pass	Pass	Pass	Pass	Pass
MSL	Thermal Path Integrity	Level 2- 260C	3/30/0	1/22/0	3/66/0	3/66/0	3/66/0	-
DPA	Destructive Physical Analysis Post 500 Temp Cycle	x-section and de process to examine assembly robustnes s, Check for stich bond and bond pad integrity	3/3/0	-	3/15/0	3/15/0	3/15/0	1/5/0 Post 96 hours HAST
YLD	FTY and Bin Summary	Compare against baseline	Pass	Pass	Pass	Pass	Pass	Pass

- QBS: Qual By Similarity Qual Device DS100DX410EL16 is qualified at LEVEL3-260C
- Qual Device DS80PCI402A2TT is qualified at LEVEL2-260C
- Qual Device LMH0366SQENOPB is qualified at LEVEL1-260C
- Qual Device LMH0394SQ/NOPB is qualified at -
- Qual Device LMH0394SQ/NOPB REV A 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 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 Tl's external Web site: http://www.ti.com/

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