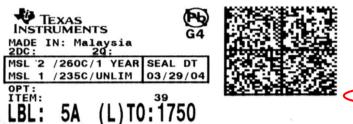
PCN Number: 201		16101	161014000			PCN Date:			Oct 17, 2016			
Title:	AMC1305x Die Revision and Datasheet Change											
Customer Contact:		PCN	PCN Manager			Dept:			Quality Services	 S		
Proposed	Proposed 1 st Ship Date:		lan	17 2017			ited Sa	mp	le	Date provided a		
			Jan	Jan 17, 2017 Ava		Availa	ailability:			sample request	•	
Change T			+		_							
	nbly Site			Assembly				Assembly Materi				
Design Test S				Electrical Specification						lechanical Specification est Process		
	Bump Site		+	Packing/Shipping/Labeling Wafer Bump Material				Н		afer Bump Proces	S	
	Fab Site	_	\top	Wafer Fab				Ħ		Wafer Fab Process		
				Part numb	er chan	ge						
				PC	N Deta	ails						
Description												
			of a di	e revision c	hange t	the AM	IC1305>	c de	vice	. The Design cha	anges	
are summa	arized belo	w:										
1. Isol	ation data	transcei	iver ci	rcuits with	improve	d power	supply	var	iatio	n and CMT reject	ion	
				solation cap								
	•				•			_		ver clamping		
volt	age. Char	nge verif	red by	qualification	on, ESD	rating in	nproved	l to	2.5	KV HBM.		
The Die Re	vision and	the data	ashee	t will be cha	anaina:							
THE DIE RE	vision and	the date	Jones	c will be ene	inging.							
Current					New							
Die Revis	ion	Datashe		ımber	Die Re	vision				t Number		
Е		SBAS65	54C		G		SB	AS	<u>654</u>	D		
The produc	st datacho	ot(c) ic u	ındəta	d as seen i	n tha ch	ango rov	vicion hi	cto	rv bo	olow.		
The produc	Li uatasiiet	et(s) is u	ipuate	u as seen i	ii tile til	ange rev	/151011 111	Sto	ГУ Д	eiow.		
TEX	AS TRUMENTS					AMC130	5L25, AM	C13	05M0	5, AMC1305M25		
1113	ROMENTS						SBAS654D-J	UNE :	2014-R	EVISED AUGUST 2016		
Changes fi	om Revision (C (Decembe	er 2014)	to Revision D						Page		
 Added I 	ast two <i>Feature</i>	es bullets						1				
_		_		Đ								
										s 4		
_	•			•						5 12		
Changed Figure 54 Changed Figure 58												
Thoso char	nanc may k	oo roviou	wod at	the datash	oot link	provido	d.					
http://www					icet iiik	provide	u.					
<u> 1.еср.// 1111.</u>	TTCTTCOTTI III	. / gp:// arr	10200	<u> </u>								
Reason fo	r Change	:										
Improved	product pe	rformand	се									
•	•			, Function	, Qualit	y or Re	liability	/ (p	osit	ive / negative)	:	
None	•			•		-	-			<u> </u>		

Changes to product identification resulting from this PCN:

Die Rev designator will change as shown in the table and sample label below:

Current	New			
Die Rev [2P]	Die Rev [2P]			
E	G			

Sample product shipping label (not actual product label)



(1P) SN74LS07NSR (D) 0336 (31T)LOT: 3959047MLA 4W) TKY(1T) 7523483S12 (2P) REV: (V) 0033317 (21L) CCO:USA (20L) CSO: SHE (22L) ASO: MLA

(23L) ACO: MYS

Product Affected:

AMC1305L25DW	AMC1305M05DW	AMC1305M25DW	AMC1305M25DWR			
AMC1305L25DWR	AMC1305M05DWR					

Qualification Report

AMC1304 Improved No tail SSB (NTSSB) Bonding qual for Reinforced Isolation devices and rev G modulator die Approve Date 12-Oct-2016

Product Attributes

Attributes	Qual Device: AMC1304M05DW	QBS Process/Package Reference: AMC1305L25DW
Assembly Site	TAI	TAI
Flammability Rating	UL 94 V-0	UL 94 V-0
Wafer Fab Supplier	DMOS5	DMOS5
Wafer Process	50HPA07, 50HPA07ISOS	50HPA07, 50HPA07ISO-S

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: AMC1304M05DW	QBS Process/Package Reference: AMC1305L25DW
ED	Electrical Characterization	Per Datasheet Parameters	-	Pass
ELFR	Early Life Failure Rate, 150C	24 Hours	-	3/2399/0
HAST	Biased HAST, 130C/85%RH	96 Hours	-	3/231/0
HBM	ESD - HBM	2500 V	1/3/0	-
CDM	ESD - CDM	1000 V	1/3/0	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
LU	Latch-up	(per JESD78)	1/6/0	2/12/0
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0	3/231/0

⁻ 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

For questions regarding this notice, e-mails can be sent to the regional contacts shown below, or you can contact 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

OBS: Qual By Similarity
 Qual Device AMC1304M05DW is qualified at LEVEL3-260C
 Device AMC1304M05DW contains multiple dies.

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/