Polyimide Lay	yer to ADA4691-4 in 14-Lead 13	5308	
QI	UALIFICATION RESULTS		
Test	Conditions	Sample Size	RESULTS
High Temperature Operating Life (HTOL)*	JEDEC JESD22-A108	693	Pass
Highly Accelerated Stress Test (HAST)*	JEDEC JESD22-A110	693	Pass
Temperature Cycle (TC)*	JEDEC JESD22-A104	693	Pass
Temperature/Humidity/Bias (THB)* <hast performed="" was=""></hast>	JEDEC JESD22-A101	NA	Pass
Autoclave (AC)*	JEDEC JESD22-A102	693	Pass
High Temperature Storage Life (HTSL)	JEDEC JESD22-A103	231	Pass
Solder Heat Resistance (SHR)*	ADI-0049	1944	Pass
Latch-Up	JEDEC JESD78	3	Pass
Electrostatic Discharge Human Body Model	ESDA/JEDEC JDS-001-2011	3/voltage	Pass 8000V
Electrostatic Discharge Field-Induced Charged Device Model	JEDEC JESD22-C101	3/voltage	Pass 1250V

Automotive Qualification Results Summary of Polyimide Layer to ADA4891-4 in 14-Lead TSSOP

*Preconditioned per JEDEC/IPC J-STD-020

Wo (Name, I	ked on: unction)	James P. Yakura, Reliability Engineer																											
PCN	Date:	23-Sep-19 19_0197		Parm provided by 2010 - Revision 3.1 - Dr	anethar 2018																								
si	nature:	James P. Yakura																											
For integrated discrete seni	circuits o conductor lect below	AEC-Q100 Revision H				_			include	is inter	grated o	ircuits	(e.g. AS)	Cs, μ-C	ontroler,	memo analog	iLIS (on ries, vol (devices	the bas tage res k)	is of A julatori	EC-Q10 , smar	power	sion H) device:	s, logi	c devis	ces,	-	dditioni Q1	al to AEC 10x	
Markchange whan "2"	7	Assessment of Ingent on Sapply Chain regarding following aspec - architecture generation - architecture (tentor of processible)/menutodurability of actioner - ben, R. bardon, quality performance, minibility	Bernalisi riska c Suppl Chain	n 1 2 Understanding of semiconductors experts	Examples to explain	Desku strom level A r B r C	Further applicable conditions	tere op over	Hao	to set an H and St 15 as a chicken of MACT	collane or Units and HMG T	ne Nergenis opning Ar Nergenis of Sound Fa	e response de agores 1. Terpontes Opealing Like 1.5 Lite Paires Plake	bil Erckennere, Data Peterston, and Operational Like	e Brand Thear e DraceP ui Gentiet Ay	ral Cal Terreral cent des Deal Sereer	es trança y estanigadice. Is Depending Date da is Almain dinen.	Caratering extern. Satisfies the article and an index by the satisfiest the satisfie	on Mignitos cruza La crage	ctrock. Chrohange signel Chrohange	oh sp a triaul. Da Mauface anned autors	e transigna ku Canega ki Kig se Cike al Chasee kada sikon	t Dror Auto Antonia	metic Package Yest	age une Toque	- 20 mar / ann an 111 Abr - Vagion Linn Smit	comment to any, at the customery	enne e Amalysia qualmus at tur mar ad turbungat denina an equa luc, main turbungat denina	Remarka
		Type of sharege				A fighter to have been deen 0. One preset text 1. Not indeed for our		alates contract by Caroo	A question		10 VI	100 Int	100	604 NV	100 00 00 00 00 00 00 00 00 00 00 00 00	10 04	10	N0 10	201 D	10 O	3 6 6	000	501 54	MICH H4		8 10 8		2 8 4	
R	EMAA-01	SNV Any sharing with impact on agreed capes contractual agreements. Any sharing with impact on promovability/mars/inducionality of contenters, which is not content of its models lative:	P 1	But whereast for instantial maturation. Any change which is not somewhile to the maturation of the source over it at scalarser in Instance, but this assessment at scalarser in		•			· · AEC		• • •	4 <mark>AS</mark> A	• • • •	-						<u>в</u> -			• •				-	-	
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	EM.08-03	Specification of additional proceeders.		Densitylian of a new nei period y contend parameter. No intrivid charge of the pecial (1): Defedies of new parameter which was not decommined inferen- (P): Not income as single charge. Only in contribution with other charges.	() ng abing merintek penneter	*								-						-							-		
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-				(c) Promotion (etc. or product specification) antispated.	(-) v g sharp of oder sugger offs same outside comparison.		Planar olarik EEEN PW Ob a affected. Nat an comparent, indet an inst sinature (ppinel for IC) Istenation on comparent inst for durate semporents																					-	Gualification for 12.5 y Controller afficult on product boot. Ournationation on such local only on bod structure. RECCORD: The trademan field involve multiple afficiants ince. site: readenable
-	EMPN II	Gauge of soler register.	- 1	(P) If the sharps of softe suppler same inform the integrity of the load product. Any sharps which is not summality another ty of sharps. Risk is in the assessed.	edurene electrical intensis. (P) ng rea supplier all'impact en scheinet esterial and / or steriatud intensis. () ng charge of disorder process in auto- modulum.	°	naparaled. De saare of 2014 salesbale IVP properties, hann in he qualified Planne shenis i SEM PW 01 and EEM 2014 (a schnier).							-						-	•••						-	•	memore), where is unsides (3.1.2 of the apprentic and number 3.2 of 2018, which classes for the selection of secret came had arbitrarily cover all the possible presentations."
-	EMPW/D	Owege of specified and specifies any provide different provides and a solution of provides step)		 (c) bis Fish for Eugely shain. (F) Fish for Eugely shain (efformer or producting); (Fisher for Eugen) and additional sharing matrix 	(P) n.g. additional schem implantation aller blenderd implantation (in probed simul again interference impulses).	•								-						-				н.		·	-	•	ABC Q105 We local sharps but locate milliple abbievs (e.g., site, materials, presence), who is wellers 33.3 of this appendix and wellers 23.4 of Q10, which
	EMPN 14	Likepedy	- 1	(Analised alone) Change in process, individuel ler liburgaphic process and malmid (-) The dampe in process inducing size. Influence the integrity of the final product.	(-) ng malange of defauit mask (P) ng salange ban Edatan promotio X.m promoti	•	Place she desk darge deciled an BCOPBER.					м.	,	-	•••					-							-	•	alises to the solution of same laser and solution is some all the possible prevalations."
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	EMBC-07	De Pequesien / Dan	-	(P) is same Eprestad is deformed as under Owners in process indexing or the preparation density (c.) Filter descript in process dans not influence the bilagety of the final product.	a pielernalise sharqe le saring matters (), e qui sharqe of charing inst. (P) e qui sharqe of charing possision aller sharqe of saring replayment.		Pasar danà i 1914 80 864 alfreiai					м.		-	•					-						н.	-		
H	EN #C OF	Stea sheeps of parcializes or die making	P	 P) Tropal or protectivityly is activitate Change of top layer service. 	n g addiser of polyteside n g shange of polyteside biokness.		In same of Car aire product phone sensitive AEC Q006.													-					. .			•	
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	EM PR-00	Change in katilieur dennaturs	P 1		n y sharqe is had barn promity n y sharqe tree Aylani is NP postedar.	•	and a comparent set may instructing I behavior grand at process copply controllers of localizant is allocated. As Emparies in SEC instructors accord for matulated / method on comparent/local. In states of Cas sites product placese consider AEC QDM.				•	- M -		-		• -	•••			-			- 1	н		-	-		
-	EMPAGE	Change of Issail Same Schöding makerial / anna (internet)	P 1	compose or scenare realistical of distance part a common learnal area (e.g. influence in advance) in paid annyment, angle learnal realistical() Change in material and / or process resultion ()	ayar a g-shariya buru Agayad le Asayat a g-buruya of slow pisting ana agaharge is hasi kigi slash a shariye is hasi kigi slash	°	In same of Carmine product places consider ARC 4008.		· ·	1		M .	•	•	- c •	• •	•			-				H	- -	н.	•	•	For shiel hand shariph hall Peni. It Peni process sharipe competions in evolution transms sharipe relaxioners (AEC-0/101).
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	EMPLO7	De stanbroderal	-	Change of the alloch reducted and / or process smalling in a new individual (in g soft solider, approp. eb.)		¢	As Element on EMC industry served in evaluated i module on compared lived (if the allach has impact on electrical conductivity). In same of Car wire product phones consider AEC 0206. As in same of land descence.	-	·	•	• • •	м.		-						-			- 1	н.		нн	-	·	
	EMPA-08	Carge of two leading	P 1	Material, skaranter, obanye in konsting daspare A and i se shange in process resulting in a new Indoning.	n g, shange hen Au in Ca maintal n g, shange hen 20µn in 20µn daronter n g, shange hen single is shalle kend n g, shange hen single is shall kend in sin hard.	¢	e in note of boot degreen sharpy and EMC served in reducted on compared lines. Please also sheak sharpy devolved under IEEE 402-01 in sear of Carative booting phone serveder AEC QDD.	•	•	•	•	a .	•	-	•••					-	- u -			н			-	·	reserves conducts. Bindly explored only for Passer devices. Segment 28 are addressed for material subger with impact on homitynames (or g from Au- Ca) encommonded. 2020;2020;2020;2020;2020;2020;2020;202
	EM P 8-00	Tabalah (hinyaar	P	Dange of BEA wainshafe	ng ahangan in maing	•	A logaries ENC interview served to evaluate (* resident exceptional look). A Frequence look a resuption look (* resident is not evaluated on surgement look).		•			м.	• • •	-	••••	- т				-		• .	- 1	н.		нн		-	

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ann parta	Pasens idegily keisg after specification	- 1	Vastaine within process specification (-): Floring within process specification on information interinging of the load product (P): Frequencies product specification is estimated.	(-) ng promotori	a													 								-	
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BMPA.17	Dauge of specific feature in process and process (station and or additional process step)	-	(-)) va irškavan is frai prakai islapily s spatital saparas (P) islamor is frai prakai islapily saparite separas	(-) ng additional chaosing siny ng delation of spikal importion (P) ng change had totolog portion & fami position & fam	o		•											 								÷	Dudlinder dyrch scynds dwyr.
annes a	lines of all as part of assembly in a different insultativitie/subserbasise.	P	P Assembly transfer or selection	n g. skal source/ bit skalegy	a	A se B impari an olive lype of charges described ander PROCESS ASSESSES was SIM BQ 41. In same of Ce wire product places consider AEC 4005.	•	• •	• •	• • •	a	• •		• • •	т.			 	- •			LH		нн	G	·	White truth have is in time on resulting lasted AEC-2010. The local sharper flat insular multiple attributes (e.g., sile, materials, promoval, othe is wardles AE at this appendix and unities 22 of 2010, which allows for the selection of AEC and the selection is some all the preside promoteling."
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BMPED BMPED BMPED	ilidag i Dogodaler promo Alexan Series Alexan Series Dy park replanter helenge Desegned warder lines, well	- P P	P (-) The damps is provide dam of them the behavior of the damps of the behavior of the transmission of transmission of the transmission of tr	(-) ng heing albingsonna specification	с • • •			• •	• •		a • •		· -			· ·	· ·	 · ·				L - - - -	 	· ·	-	-	
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