Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.					This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.											
1752-21.1	IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x Form Type Distribute				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					ials and Mfg Information						
Supplier	: Information															
Company name* Company unique ID				ique ID		Unique ID Authority					Response Date*					
onsemi													2023-06-08			
Contact N	ame	Title - Contact				Phone - Contact*					Email - Contact*					
Product-E	Env-Stewards		Product Envi	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Authorize	d Representative*	Title - Representative				Phone - Representative*				Email - Representative*						
Product-E	Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com						
	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Da	Date Version Manufacturing Site		W	eight*	UOM	Unit Type			
		LM2931AZ-5.0RAG ANA 100MA 5		ANA 100MA 5V	LDO VREG	G 2023-06-08				CNF		19	8.01	mg	Each	
Manufa	cturing Proccess Informati	ion					•								·	
	Terminal Plating / Grid Array Material T		Cerminal Base Alloy J-STE		J-STD-020 MSI	L Rating	Peak Pro	Process Body Temperature N		re Max Ti	x Time at Peak Temperatu		e Numb	per of Reflow Cyc	eles	
	Matte Tin (Sn) - annealed		CU Alloy NA		NA		0		C	30		seconds	3			
Comments																
or more i	information regarding material c	omposition	please refer to	page 3	•								•		_	

RoHS Material Composition Declaration			Declaration Type *	Detail	led						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU RoHS Definition: Quantity limit of 0.01% by mass (100 PPM) in homogeneous material for Cadmium and quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).											
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substa	ances per the definition above	Supplier Ac	ceptance *	Accepted						
Exemption: If the declared item does not applicable exemptions.	contain RoHS restricted substances per	the definition above except for defined Ro	oHS exemptions, then select the corresponding	response in the R	oHS Declaration above and choose all						
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructional Complete all of the required	fields on all neggs of this form. Calcut th		a duan dawn. This will display the signature on	a Digitally sign	the declaration (if recurined by the						
Instructions: Complete all of the required Requester) and click on Submit Form to			e drop-down. This will display the signature ar	ea. Digitally sign	the declaration (if required by the						

Homogeneous Material Composition Declaration for Electronic Products

SubItem Instructions: The presence of any JIG Level A or B substances must be declared. [1] indicate the subpart in which the substance is located, [2] provide a description of the homogeneous material [3], enter the weight of the homogeneous material.

Substance Instructions: [A] select the Level (JIG A, JIG B, Requester or Supplier) [B] select the substance category (JIG or Requester) or enter a value (Supplier). [C] select the substance (JIG) or enter the substance and CAS (Other). [D] select a RoHS exemption, if applicable [E] enter the weight of the substance or the PPM concentration [F] Optionally enter the positive (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	3.2	mg	Supplier	Silicon (Si)	7440-21-3		3.2	mg
Die Attach	5.15	mg	Supplier	Silver (Ag)	7440-22-4		4.3775	mg
			Supplier	Phenolic Resin	Proprietary Data		0.7725	mg
Lead Frame	80.67		Supplier	Silver (Ag)	7440-22-4		0.0081	mg
			Supplier	Iron (Fe)	7439-89-6		0.0807	mg
			Supplier	Copper (Cu)	7440-50-8		80.5571	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0242	mg
Mold Compound-Black	106.15			Phenol Resin	proprietary data		10.615	mg
			Supplier	Carbon Black (C)	1333-86-4		1.0615	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		81.7355	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		12.738	mg
Plating	2.74	mg	Supplier	Tin (Sn)	7440-31-5		2.74	mg
Wire Bond - Au	0.1	mg	Supplier	Gold (Au)	7440-57-5		0.1	mg