IPC ASSOCIATION ELECTRONIC	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under be international and Pan-American copyright conventions.			nder both	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.									
752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				Form Type * Distribute	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				aterials and	Mfg Informat	ion			
Supplier	· Information														
Company name* Company				y unique ID			Unique ID Authority				Respo	Response Date*			
nsemi											2023-0	2023-06-08			
Contact N	ame		Title - Contact			F	Phone - Contact*				Email	Email - Contact*			
Product-E	Env-Stewards		Product Enviro Compliance			1	NA				Prod	Product-Env-Stewards@onsemi.com			
uthorize	d Representative*	Title - Representative			F	Phone - Representative*				Email	Email - Representative*				
Product-E	Env-Stewards	Product Enviro Compliance			]	NA				Prod	Product-Env-Stewards@onsemi.com				
	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	Date Version Manufacturing Site		;	Weight*	UOM	Unit Type		
		NLVPC. XG	VPCA9535EMTT 16-BIT I/O EXPAN		ANDER		2023-06-08		MY1			40.26	mg	Each	
Ianufa	cturing Proccess Informa	ation													
	Terminal Plating / Grid Array M	Terminal Base Alloy J-STD-020 MS		J-STD-020 MSL	Rating	Peak Process Body Temperature Max T		Max Time at P	eak Tempe	rature Numb	er of Reflow Cy	cles			
	Matte Tin (Sn) - annealed		CU Alloy 1		1		260	260 C 30		30	sec	onds 3			
omments															
vel 1 - m	aximum time at peak temperat	ture during so	ldering is 10-3	0 seconds							·				
or more i	information regarding materia	l composition	please refer to	page 3			<del>-</del>								

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 it provides in this form using appropriate methods to ensure its accuracy and that such 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 informationprovided 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 liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Sta											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substa	ances per the definition above	Supplier Ac	cceptance *	Accepted						
Exemption: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
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).

<b>Homogeneous Material</b>	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	2.83	mg	Supplier	Silicon (Si)	7440-21-3		2.83	mg
Die Attach Epoxy	0.37	mg		Epoxy resin	proprietary data		0.111	mg
			Supplier	Diethylene glycol monoethyl ether acetate	112-15-2		0.1295	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.1295	mg
Lead Frame	8.14	mg	Supplier	Zinc (Zn)	7440-66-6		0.0098	mg
			Supplier	Iron (Fe)	7439-89-6		0.1913	mg
			Supplier	Copper (Cu)	7440-50-8		7.9365	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0024	mg
Lead Frame plating	0.05	mg	Supplier	Silver (Ag)	7440-22-4		0.05	mg
Mold Compound-Black	27.08	mg		Epoxy resin	proprietary data		1.2728	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		2.708	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0271	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		21.7994	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		1.2728	mg
Plating	1.57	mg	Supplier	Tin (Sn)	7440-31-5		1.57	mg
Wire Bond - Au	0.22	mg	Supplier	Gold (Au)	7440-57-5		0.22	mg