IPC ASSOCIATION CONNECT ELECTRONICS INDUSTR	© Copyright 2005, IPC, I	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 low 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 Typ http://www.ipc.org/IPC-175x Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater						l Mfg Ir	nformatio	n	
Supplier Infor	mation														
Company name*			Company unique ID			τ	Unique ID Authority					Response Date*			
nsemi												2023-06-08			
Contact Name			Title - Contact			1	Phone - Contact*				Ema	Email - Contact*			
Product-Env-Stev	wards		Product Enviro Compliance				NA				Pro	Product-Env-Stewards@onsemi.com			
uthorized Repre	esentative*	Title - Representative				Phone - Representative*				Ema	Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance				NA				Pro	Product-Env-Stewards@onsemi.com			
Reques	ster Item Number Mfr Ite		Item Number Mfr Item Name				Effective Dat	e Version	Version Manufacturing Site		Site	Weight* UOM		UOM	Unit Type
		NOIV2SN1300A- VITA1300 V2 ODC		VITA1300 V2 M	ONO ML LLC	L LLC48 2023-		2023-06-08 TF		ТНА		1056	1056.06 mg		Each
Ianufacturing	g Proccess Information														·
Termina	al Plating / Grid Array Materia	1 T	Terminal Base Alloy		J-STD-020 MS	SL Rating	Peak Process Body Temperatu		ire Max Time at Peak Temper		erature	ture Number of Reflow Cycles		eles	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		) (no   C	CU Alloy 3		3		260		C 30		se	conds	3		
Comments															
TTENTION: MS	SL 3 Rated item requires Bal	ke and D	ry Pack (after	r electrical test)											
or more informa	tion regarding material com	position 1	please refer to	page 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
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).											
cadmium, hexavalentchromium, polybromin contains a RoHS restricted substance inexce encompass all such components. Supplier cet as of the date that Supplier completes this Company acknowledges that Supplier may hindependently verified information provided certification in this paragraph. If the Compan	nated biphenyls and/or polybrominated diphess of an applicable quantity limit, please indriffes that it gathered the information it provom. Supplier acknowledges that Company wave relied on informationprovided by others of the supplier agrees that, at a minimusy and the Supplier enter into a written agree yesource of the Supplier's liability and the C	enyl ethers (each a "RoHS restricted substan licate below which, if any, RoHS exemption vides in this form using appropriate methods vill rely on this certification in determining the s in completing this form, and that Supplier um, itssuppliers have provided certifications ement with respect to the identified part, the tompany's remedies for issues that arise rega	s of the European Union member states) of the ce") in excess of the applicable quantity limit is you believe may apply. If the part is an assemb to ensure its accuracy and that such informatio e compliance of its products with European Ur may not have independently verified such infor regarding their contributions to the part, and the erms and conditions of that agreement, including information the Supplier provides in this	dentified above. If a ally with lower level in is true and correct tion member state la mation. However, in ose certifications are ag any warranty righ	homogeneous material within the part components, the declaration shall to the best of its knowledge and belief, was that implement the RoHS Directive. In situations where Supplier has not the at least as comprehensive as the lats and/or remedies provided as part of						
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	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											
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	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
Ceramic Substrate	665.12	mg	Supplier	Cobalt (Co)	7440-48-4		0.0665	mg
			Supplier	Molybdenum (Mo)	7439-98-7		0.0665	mg
			Supplier	Tungsten (W)	7440-33-7		7.9814	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		41.9026	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		589.2963	mg
			В	Nickel (Ni)	7440-02-0		1.8623	mg
			Supplier	Gold (Au)	7440-57-5		1.3302	mg
			Supplier	Chromium Trioxide (Cr2O3)	1308-38-9		22.614	mg
Die	119.22	mg	Supplier	Silicon (Si)	7440-21-3		119.22	mg
Die Attach	48.62	mg	Supplier	Silver (Ag)	7440-22-4		41.327	mg
			Supplier	Epoxy resins	129915-35-1		7.293	mg
Glass Attach Epoxy	3.41	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		1.4186	mg
			Supplier	4,4'-Diaminodiphenyl Sulfone (DDS-4,4')	80-08-0		0.0102	mg
			Supplier	Filler (SiO2?C2H6Cl2Si)	68611-44-9		1.364	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0887	mg
			Supplier	Additive	1760-24-3, 2530- 83-8		0.5286	mg
Glass Lid /Cap	219.48	mg	Supplier	Boron Trioxide (B2O3)	1303-86-2		18.4363	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		130.5467	mg
			Supplier	Barium Monoxide (BaO)	1304-28-5		17.9974	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		17.3828	mg
			Supplier	Calcium Monoxide (CaO)	1305-78-8		35.1168	mg
Wire Bond - Al	0.21	mg	Supplier	Aluminum (Al)	7429-90-5		0.21	mg