ASSOCIATION CONNECT	© Copyright 2005, IPC, B	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				e *	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater						g Inform	ation	
Supplier Infor	mation														
Company name*			Company unique ID			τ	Unique ID Authority					Response Date*			
nsemi												2023-06-07			
Contact Name			Title - Contact			I	Phone - Contact*					Email - Contact*			
Product-Env-Stev	wards		Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com			
Authorized Repre	esentative*		Title - Representative			I	Phone - Representative*				Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Reques	ster Item Number Mfr Ite		Item Number Mfr Item Name				Effective Dat	te Version M		Manufacturing Site		W	eight*	UOM	Unit Type
		NOIV1SN1300A- ODC VITA1300 V		VITA1300 V1 M	MONO ML LLC48		2023-06-07		7	THA		10	1056.06 mg		Each
Ianufacturing	g Proccess Information							·							
Termina	al Plating / Grid Array Material	Те	Terminal Base Alloy		J-STD-020 MS	SL Rating	Peak Process Body Temperature		ire Max Time at Peak Temper		Temperatu	ature Number of Reflow Cycles		eles	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		(no CU	CU Alloy 3		3		260		C 30			second	s 3		
Comments															
TTENTION: M	SL 3 Rated item requires Bak	e and Dr	y Pack (after	electrical test)											
or more informa	ntion regarding material comp	osition p	lease 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).											
cadmium, hexavalentchromium, polybromir contains a RoHS restricted substance inexce encompass all such components. Supplier ce as of the date that Supplier completes this fo Company acknowledges that Supplier may l independently verified information provided certification in this paragraph. If the Compan	nated biphenyls and/or polybrominated dipless of an applicable quantity limit, please intifies that it gathered the information it prome. Supplier acknowledges that Company have relied on information provided by other by others, Supplier agrees that, at a mining and the Supplier enter into a written agree esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substational substance below which, if any, RoHS exemption by desired in this form using appropriate method will rely on this certification in determining ters in completing this form, and that Supplies have provided certification between the will respect to the identified part, the Company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects the company is the company that the company tha	ws of the European Union member states) of the pnce") in excess of the applicable quantity limit ide in you believe may apply. If the part is an assembly is to ensure its accuracy and that such information the compliance of its products with European Union may not have independently verified such informs regarding their contributions to the part, and tho terms and conditions of that agreement, including the provides in this formation information the Supplier provides in this formation.	entified above. If a y with lower level is true and correct on member state la nation. However, in se certifications are any warranty rigl	n homogeneous material within the part components, the declaration shall t to the best of its knowledge and belief, aws that implement the RoHS Directive. In situations where Supplier has not e at least as comprehensive as the hts and/or remedies provided as part of						
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 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).

Homogeneous Material	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