ASSOCIATION CONNECTION ELECTRONICS INDUSTRIE	Material Compo © Copyright 2005. IF international and Pan	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 Form Typ Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater						erials and M	ials and Mfg Information				
Supplier Inform	nation																
Company name*				Company unique ID			Unique ID Authority					Respons	Response Date*				
onsemi				!									2023-06-08				
Contact Name			Title - Contact]	Phone - Contact*					Email -	Email - Contact*				
Product-Env-Stew	ards	Product Enviro Compliance				NA					Produc	Product-Env-Stewards@onsemi.com					
uthorized Repres	entative*	Title - Representative]	Phone - Representative*					Email -	Email - Representative*					
Product-Env-Stew	ards	Product Enviro Compliance				NA					Produc	Product-Env-Stewards@onsemi.com					
Request	er Item Number Mfr Iter		em Number Mfr Item Name				Effective Da	ite V	Version M		Manufacturing Site		Weigh	t*	UOM	Unit Type	
		NOIV1SN5 ODC		N5000A- VITA5000 MONO ML LLC68			2023-06-08	3-06-08 THA			4310.68		58	mg	Each		
Janufacturing	Proccess Informat	ion															
Terminal	Plating / Grid Array Material		Terminal Base Alloy J		J-STD-020 M) MSL Rating F		Peak Process Body Temperatur		ure Max Time at Peak Temp		ak Temperat	nture Number of Reflow Cycles		les		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			CU Alloy 3		3		260		C	30 sec		secon	ds 3	3			
Comments																	
TTENTION: MS	L 3 Rated item requires	Bake and I	Ory Pack (afte	r electrical test)													
or more informat	on regarding material o	composition	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 applicable exemptions.	contain RoHS restricted substances per t	he definition above except for defined Rol	IS exemptions, then select the corresponding	response in the R	oHS Declaration above and choose all							
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).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Ceramic Substrate	3182.9	mg	Supplier	Cobalt (Co)	7440-48-4		0.9549	mg
			Supplier	Tungsten (W)	7440-33-7		49.6532	mg
			Supplier	Magnesium Monoxide (MgO)	1309-48-4		35.0119	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		111.4015	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		2858.8806	mg
			В	Nickel (Ni)	7440-02-0		0.9549	mg
			Supplier	Gold (Au)	7440-57-5		1.9097	mg
			Supplier	Chromium Trioxide (Cr2O3)	1308-38-9		124.1331	mg
Die	350.69	mg	Supplier	Silicon (Si)	7440-21-3		350.69	mg
Die Attach	1.85	mg	Supplier	Silver (Ag)	7440-22-4		1.5725	mg
			Supplier	Epoxy resins	129915-35-1		0.2775	mg
Glass Attach Epoxy	10.8	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		4.4852	mg
			Supplier	4,4'-Diaminodiphenyl Sulfone (DDS-4,4')	80-08-0		1.7064	mg
			Supplier	Filler (SiO2?C2H6Cl2Si)	68611-44-9		4.2595	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2905	mg
			Supplier	Additive	1760-24-3, 2530- 83-8		0.0583	mg
Glass Lid /Cap	762.4	mg	Supplier	Boron Trioxide (B2O3)	1303-86-2		64.0416	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		456.8301	mg
			Supplier	Barium Monoxide (BaO)	1304-28-5		60.3821	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		60.3821	mg
			Supplier	Calcium Monoxide (CaO)	1305-78-8		120.7642	mg
Wire Bond - Al	2.04	mg	Supplier	Aluminum (Al)	7429-90-5		2.04	mg