ABBOCIATION CONNECTING ELECTRONICS WOUSTRIES® International and Pan	C, Bannockl	ourn, Illinois. A	ll rights reserved u	nder both	This docume level parts, t	ent is a decla	tration of	the substand passes all lo	ces with wer lev	in the manufacture el materials for wh	er listed it hich the m	em. Note: anufacture	if the item is an as er has engineering	sembly with lowe responsibility.	
	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					ials and Mfg Information				
Supplier Information															
Company name*			Company unique ID			Unique ID Authority					Response Date*				
nsemi											2023-06-08				
Contact Name Title - Contact			P			Phone - Contact*					Email - Contact*				
Product-Env-Stewards Product E			roduct Enviro Compliance			NA					Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Representative			esentative Pl			Phone - Representative*				Email - Representative*					
Product-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com						
Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective D	ate Vei	rsion	Manu	Manufacturing Site		Veight*	UOM	Unit Type	
	NOIV1S	E2000A-QDC	VITA2000 V1 COL ML LLC52		2023-06-08	3		THA	THA		858.31	mg	Each		
Manufacturing Proccess Informat	ion						•		·				ł		
Terminal Plating / Grid Array Ma	terial 7	Ferminal Base A	Alloy	y J-STD-020 MSL		Peak Process Body		ody Tempera	emperature Max Time at Peak		Temperature Number of Ref		ber of Reflow Cyc	les	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 3		3		260		С		30		ls 3			
Comments															
TTENTION: MSL 3 Rated item requires	Bake and L	Dry Pack (after	electrical test)												
or more information regarding material	composition	please refer to	page 3												

RoHS Material Composition Declaration				Declaration Type *	Detailed						
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, polybrominate contains a RoHS restricted substance inexcess encompass all such components. Supplier certif as of the date that Supplier completes this form Company acknowledges that Supplier may hav independently verified information provided by certification in this paragraph. If the Company a	ed biphenyls and/or polybrominated dip of an applicable quantity limit, please ir ies that it gathered the information it pro- .Supplier acknowledges that Company e relied on informationprovided by othe v others, Supplier agrees that, at a minin and the Supplier enter into a written agre pource of the Supplier's liability and the	henyl ethers (each a " ndicate below which, i ovides in this form us will rely on this certifiers in completing this num, itssuppliers have eement with respect to Company's remedies	RoHS restricted substance") in exce if any, RoHS exemption you believe ing appropriate methods to ensure if ication in determining the complian form, and that Supplier may not have e provided certifications regarding the to the identified part, the terms and cc for issues that arise regarding inform	ce of its products with European Union membe	ove. If a homogeneous material within the part er level components, the declaration shall l correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not tions are at least as comprehensive as the anty rights and/or remedies provided as part of						
RoHS Declaration * 1 - Item(s)	does not contain RoHS restricted substa	on above	Supplier Acceptance	* Accepted							
Exemption: If the declared item does not con applicable exemptions.	ntain RoHS restricted substances per	the definition above	except for defined RoHS exempti	ons, then select the corresponding response i	n the RoHS Declaration above and choose all						
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required fin Requester) and click on Submit Form to have	elds on all pages of this form. Select the form returned to the Requester	he "Accepted" on th	e Supplier Acceptance drop-down	. This will display the signature area. Digital	lly sign the declaration (if required by the						
Supplier Digital Signature Ra	stislav Drska	Le									

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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Ceramic Substrate	1219.8	mg	Supplier	Cobalt (Co)	7440-48-4		5.1232	mg
			Supplier	Titanium Dioxide (TiO2)	13463-67-7		11.8321	mg
			Supplier	Tungsten (W)	7440-33-7		32.8126	mg
			Supplier	Magnesium Monoxide (MgO)	1309-48-4		13.0519	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		41.3512	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		1065.4954	mg
			В	Nickel (Ni)	7440-02-0		2.9275	mg
			Supplier	Gold (Au)	7440-57-5		1.0978	mg
			Supplier	Chromium Trioxide (Cr2O3)	1308-38-9		46.1084	mg
Die	184.62	mg	Supplier	Silicon (Si)	7440-21-3		184.62	mg
Die Attach	1.29	mg	Supplier	Silver (Ag)	7440-22-4		1.0965	mg
			Supplier	Epoxy resins	129915-35-1		0.1935	mg
Glass Attach Epoxy	4.7	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		1.9519	mg
			Supplier	4,4'-Diaminodiphenyl Sulfone (DDS-4,4')	80-08-0		0.7426	mg
			Supplier	Filler (SiO2?C2H6Cl2Si)	68611-44-9		1.8537	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1264	mg
			Supplier	Additive	1760-24-3, 2530- 83-8		0.0254	mg
Glass Lid /Cap	447.3	mg	Supplier	Boron Trioxide (B2O3)	1303-86-2		37.5732	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		268.0222	mg
			Supplier	Barium Monoxide (BaO)	1304-28-5		35.4262	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		35.4262	mg
			Supplier	Calcium Monoxide (CaO)	1305-78-8		70.8523	mg
Wire Bond - Al	0.6	mg	Supplier	Aluminum (Al)	7429-90-5		0.6	mg