BOCIATION CONNECTING GTRANICS INDUSTRIES*					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.										
	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute					Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information									
upplier Information															
Company name* Company unique ID				1	Unique ID Authority				Response Date*						
nsemi						2023-06-08									
Contact Name Title - Contact]	Phone - Contact*				Email - Contact*					
Product-Env-Stewards Product Enviro Compliance					NA				Product-Env-Stewards@onsemi.com						
Authorized Representative* Title - Representative				1	Phone - Representative*				Email - Representative*						
roduct-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com						
Requester Item Number	Requester Item Number Mfr Item Nur		Number Mfr Item Name			Effective Date Version Manufacturing Si		acturing Site	,	Weight*	UC	ОМ	Unit Type		
	AR0330 A0-DR1	CM1C00SHA 3 MP 1/3 CIS				2023-06-08			TA1		-	1153.99	mg	g	Each
Ianufacturing Proccess Informat	tion						·						·		
Terminal Plating / Grid Array Ma	terial	Terminal Base Alloy		J-STD-020 MS	L Rating Peak		k Process Body Temperature Max Time at		ax Time at Peal	k Temperature Numbe		umber of Re	eflow Cycl	es	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy		4		260		С	30		secon	ds 3			
omments											•				
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), Disobutyl 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	ances per the definitio	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	648.43	mg	Supplier	Cobalt (Co)	7440-48-4		0.9726	mg
			Supplier	Titanium Dioxide (TiO2)	13463-67-7		16.2108	mg
			Supplier	Tungsten (W)	7440-33-7		1.6211	mg
			Supplier	Magnesium Monoxide (MgO)	1309-48-4		12.9686	mg
			Supplier	Calcium Oxide (CaO)	60873-85-0		2.5937	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		2.5937	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		589.2607	mg
			В	Nickel (Ni)	7440-02-0		0.6484	mg
			Supplier	Gold (Au)	7440-57-5		1.9453	mg
			Supplier	Thallium (Tl)	82870-81-3		0.1621	mg
			Supplier	Chromium Trioxide (Cr2O3)	1308-38-9		19.4529	mg
Die	178.41	mg		Misc.	proprietary data		0.678	mg
			Supplier	Silicon (Si)	7440-21-3		175.9658	mg
			Supplier	Aluminum (Al)	7429-90-5		1.7662	mg
Die Attach	2.42	mg	Supplier	Silver (Ag)	7440-22-4		1.694	mg
			Supplier	Epoxy resins	129915-35-1		0.484	mg
			Supplier	Acrylic resins	Proprietary Data		0.0605	mg
			Supplier	Gamma-Butyrolactone	96-48-0		0.1815	mg
Imaging Lens	312.5	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		15.625	mg
			Supplier	Sodium Monoxide (Na2O)	1313-59-3		15.625	mg
			Supplier	Boron Trioxide (B2O3)	1303-86-2		15.625	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		15.625	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		1.5625	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		15.625	mg
			Supplier	Potassium Monoxide (K2O)	12136-45-7		15.625	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		217.1875	mg
Lid Attach	7.73	mg		Other Additive Agents	proprietary data		1.1595	mg
			Supplier	Photoinitiator	Proprietary Data		2.6282	mg
			Supplier	Epoxy Prepolymer	Proprietary Data		3.9423	mg
Marking Ink	4.27	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.5337	mg
			Supplier	1-Methoxy-2-propyl acetate (MPA)	108-65-6		1.0675	mg
			Supplier	Butylglycol Acetate	112-07-2		1.0675	mg

			Supplier	Solvent Naphtha (Solvent oil)	64742-94-5	0.5337	mg
			Supplier	Cyclohexanone	108-94-1	0.5337	mg
			Supplier	Xylene	1330-20-7	0.5337	mg
Wire Bond - Au	0.23	mg	Supplier	Gold (Au)	7440-57-5	0.23	mg