	Material Compo © Copyright 2005. II 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 lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
1752-21.1	-21.1 IPC Web Site for Information on IPC-1752 Standard Form Type Distribute					*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information								
Supplier	r Information														
Company name* Company unique ID					τ	Unique ID Authority					Response Date*				
nsemi							2023-06-08								
Contact N	ame		Title - Conta	ct		Phone - Contact* Email - Contact*									
Product-I	Env-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorized Representative*			Title - Repres	epresentative Phone - Representative* Email - Representative*				tative*							
Product-I	Env-Stewards		Product Envi	ro Compliance			NA					Product-Env-Stewards@onsemi.com			
	Requester Item Number Mfr Item		Number	Mfr Item Name			Effective Dat	e Ve	ersion 1	Manufactu	ring Site	te Weight* UOM U		Unit Type	
		AR02398 A0-DPB	SRSC00SUE R	2MP 1/3 CIS SO			2023-06-08		r.	ΓA1		1	96.1	mg	Each
Ianufa	cturing Proccess Informat	tion													
	Terminal Plating / Grid Array Ma	terial T	erminal Base	Alloy J	J-STD-020 MSI	Rating	Peak Pro	cess B	ody Temperatu	re Max T	ime at Peak	Temperati	are Nun	nber of Reflow Cy	cles
	SnAgCu	С	CU Alloy	2	4		260		С	30		second	is 3		
omments	5														
or more	information regarding material	composition <b>j</b>	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		nium (Cr6+), Polybro	ominated Biphenyls (PBB), Polybron	dmium and quantity limit of 0.1% by mass (100 minated Diphenyl Ethers (PBDE), and Bis(2-eth	
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 co 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
Die	46.097	mg		Misc.	proprietary data		0.1752	mg
			Supplier	Silicon (Si)	7440-21-3		45.4655	mg
			Supplier	Aluminum (Al)	7429-90-5		0.4564	mg
Die Attach	2.811	mg		Bismaleimide Monomer	proprietary data		1.0822	mg
			Supplier	POLY(ETHYLENE GLYCOL) PHENYL ETHER ACRYLATE	56641-05-5		0.0141	mg
			Supplier	2,2-Bis(4-hydroxyphenyl)propane- epichlorohydrin copolymer acrylate	55818-57-0		0.2811	mg
			Supplier	Bis(4-tert-butylcyclohexyl) peroxydicarbonate	15520-11-3		0.0141	mg
			Supplier	2,2-dimethyl-1,3-propanediyl dimethacrylate	1985-51-9		0.2811	mg
			Supplier	2-phenoxy ethyl acrylate	48145-04-6		0.2811	mg
			Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.0141	mg
			Supplier	Other Additive Agents	Proprietary Data		0.5622	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.2811	mg
Ероху	1.438	mg	Supplier	Imidazole Addition	68490-66-4		0.4314	mg
			Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.1438	mg
			Supplier	Zirconium Dioxide (ZrO2)	1314-23-4		0.1438	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.1438	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.5752	mg
Imaging Lens	28.822	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		1.5169	mg
			Supplier	Sodium Monoxide (Na2O)	1313-59-3		1.5169	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		1.5169	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.1519	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		1.5169	mg
			Supplier	Potassium Monoxide (K2O)	12136-45-7		1.5169	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		21.0856	mg
Iold Compound	42.869	mg		Epoxy resin	proprietary data		10.6315	mg
			Supplier	Other Additive Agents	Proprietary Data		1.3718	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		4.2869	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		25.2927	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		1.2861	mg

Solder Ball	35.356	mg	Supplier	Silver (Ag)	7440-22-4	1.0607	mg
	001000	g	Supplier	Tin (Sn)	7440-31-5	34.1185	mg
			Supplier	Copper (Cu)	7440-50-8	0.1768	mg
Solder Mask	4.15	mg		Epoxy resin	proprietary data	0.498	mg
			Supplier	Acrylate	Proprietary Data	1.5853	mg
			Supplier	Talc	14807-96-6	0.1121	mg
			Supplier	Miscellaneous	Trade Secret	0.1535	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7	1.8011	mg
Substrate Copper Foil	3.194	mg	Supplier	Copper (Cu)	7440-50-8	3.194	mg
Substrate - Core Material	15.866	mg		Epoxy resin	proprietary data	3.4382	mg
			Supplier	Fiber Glass (SiO2)	65997-17-3	12.4278	mg
Substrate Plating-Au	0.275	mg	Supplier	Gold (Au)	7440-57-5	0.275	mg
Substrate Plating-Cu	14.28	mg	Supplier	Copper (Cu)	7440-50-8	14.28	mg
Substrate Plating-Ni	0.66	mg	В	Nickel (Ni)	7440-02-0	0.66	mg
Wire Bond - Au	0.282	mg	Supplier	Gold (Au)	7440-57-5	0.282	mg