ASSOCIATION CONNECTING	Material Composit © Copyright 2005. IPC, international and Pan-Ar	Bannockb	urn, Illinois. A	ll rights reserved untions.	under both	This docume level parts, t	ent is a declarat	ion of the su encompasse	ubstances s all lower	within the manufactu level materials for w	rer listed it which the m	em. Note: anufacture	if the item is an as er has engineering	sembly with low responsibility.	
752-21.1	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									
Supplier Inform	ation														
Company name* Company unique ID						Unique ID Authority I				Response	Response Date*				
nsemi											2024-05-	2024-05-02			
Contact Name			Title - Contact				Phone - Contact*			Email - Contact*					
Product-Env-Stewards			Product Enviro Compliance				NA			Product-Env-Stewards@onsemi.com					
uthorized Represe	ntative*		Title - Repres	Title - Representative			Phone - Representative*			Email - Representative*					
Product-Env-Stewards			Product Envi	ro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number Mfr Item		Number Mfr Item Name			Effective Date	Version	Version Manufacturing Site		V	Veight*	UOM	Unit Type			
		AR0231A A0-DPBI		2.1 MP 1/3 CIS			2024-05-02		Ν	1Y5	2	94.95	mg	Each	
Ianufacturing ]	Proccess Information	1													
Terminal Plating / Grid Array Material Terminal Base Alloy			Alloy	J-STD-020 MSI	L Rating	Peak Proc	ess Body T	emperatur	e Max Time at Peak	Temperati	ire Num	ber of Reflow Cyd	eles		
SnAgCu		С	CU Alloy		3		260		С	30	second	ls 3			
omments															
<b>FTENTION: MSL</b>	3 Rated item requires Ba	ake and D	ry Pack (after	electrical test)											
or more informatio	on regarding material com	position	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 y 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
Die	39.79	mg		Misc.	proprietary data		0.1512	mg
			Supplier	Silicon (Si)	7440-21-3		39.2449	mg
			Supplier	Aluminum (Al)	7429-90-5		0.3939	mg
Die Attach	20.8	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		7.8	mg
			Supplier	Ethylene Glycol	107-21-1		0.208	mg
			Supplier	Sulfonium (Thiodi-4,1-phenylene)	89452-37-9		0.624	mg
			Supplier	Modified Silicon Dioxide (SiO2)	67762-90-7		4.368	mg
			Supplier	Formaldehyde Polymer	9003-36-5		7.8	mg
Imaging Lens	61.6	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		3.242	mg
			Supplier	Sodium Monoxide (Na2O)	1313-59-3		3.242	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		3.242	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.3246	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		3.242	mg
			Supplier	Potassium Monoxide (K2O)	12136-45-7		3.242	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		45.0653	mg
Lid Attach	10.46	mg	Supplier	2-phenoxy ethyl acrylate	48145-04-6		4.707	mg
			Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		2.092	mg
			Supplier	Epoxy Prepolymer	Proprietary Data		1.3075	mg
			Supplier	Acrylate Oligomer	Proprietary Data		0.0523	mg
			Supplier	Curative	Proprietary Data		0.2092	mg
			Supplier	Formaldehyde Polymer	9003-36-5		2.092	mg
Iold Compound-Black	65.6	6 mg		Phenolic Resin	proprietary data		9.84	mg
			Supplier	Oxirane	39817-09-9		9.84	mg
			Supplier	1,4-Bis(2,3-epoxypropoxy)butane	2425-79-8		1.968	mg
			Supplier	Carbon Black (C)	1333-86-4		0.656	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		41.984	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		1.312	mg
older Ball	56.66	mg	Supplier	Silver (Ag)	7440-22-4		1.6998	mg
			Supplier	Tin (Sn)	7440-31-5		54.6769	mg
			Supplier	Copper (Cu)	7440-50-8		0.2833	mg
Substrate and Solder Mask	39.48	mg	Supplier	Bis(3-ethyl-5-methyl-4- maleimidophenyl)methane	105391-33-1		0.4422	mg

			Supplier	Fiber Glass (SiO2)	65997-17-3	5.1166	mg
			Supplier	Zinc (Zn)	7440-66-6	0.0592	mg
			Supplier	Inorganic Filler of Solder Mask_Talc (Mg3Si4O10(OH)2)	14807-96-6	0.9199	mg
			Supplier	Cyanic acid (1-methylethylidene)di-4,1- phenylene ester homopolymer	25722-66-1	0.4422	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9	0.229	mg
			Supplier	Chromium (Cr)	7440-47-3	0.0039	mg
			Supplier	Acetophenone Derivative	Proprietary Data	1.3779	mg
			Supplier	Carbon Black (C)	1333-86-4	0.229	mg
			Supplier	2,4-Diethyl-9H-thioxanthen-9-one (DETX)	82799-44-8	0.229	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2	4.7376	mg
			В	Nickel (Ni)	7440-02-0	0.5567	mg
			Supplier	Gold (Au)	7440-57-5	0.0197	mg
			Supplier	Solvent Naphtha (Solvent oil)	64742-94-5	2.7597	mg
			Supplier	Formaldehyde Polymer	9003-36-5	0.4422	mg
			Supplier	Copper (Cu)	7440-50-8	14.7892	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7	7.1261	mg
Wire Bond - Au	0.56	mg	Supplier	Gold (Au)	7440-57-5	0.56	mg