ASSOCIATION CONNECTING LECTRONICS INDUSTRIES® INCLUSTRIES	Composition De 2005. IPC, Bannockl and Pan-American co	claration ourn, Illinois. A opyright conver	ll rights reserved untions.	under both	This docume level parts, tl	ent is a declaratio he declaration en	n of the substance compasses all low	es within the man ver level material	ufacturer liste s for which the	d item. Note: e manufacture	if the item is an as er has engineering	sembly with low responsibility.	
IPC Web Site for Information on IPC-1752 Standard Form Typ			Form Type ' Distribute	*		Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information							
upplier Information													
Company name* Company unique ID			que ID		Unique ID Authority Response Date*								
nsemi									2023-06-08				
Contact Name			et		1	Phone - Contact* Email - Contact*							
Product-Env-Stewards		Product Enviro Compliance				NA			Prod	Product-Env-Stewards@onsemi.com			
uthorized Representative*	Title - Repres	presentative Phone - Representative* Email - Representative*			tative*								
roduct-Env-Stewards	Product Envi	ro Compliance			NA			Product-Env-Stewards@onsemi.com					
Requester Item Number	Requester Item Number Mfr Iten		Imber Mfr Item Name Effective Date Version Manufacturing Si		Site	Weight*	UOM	Unit Type					
		AR0134CSSM00SUE 1.2 MP 1/3 GS CIS A0-DPBR1		IS		2023-06-08		TWU		191.2	mg	Each	
Ianufacturing Proccess Int	formation												
Terminal Plating / Grid Array Material Termin		erminal Base A	Alloy	J-STD-020 MSL Rating		Peak Process Body Temperature		ture Max Time a	at Peak Tempe	rature Num	ber of Reflow Cyc	les	
SnAgCu CU Alloy		CU Alloy		4		260	C	30	sec	conds 3			
omments													
or more information regarding n	naterial composition	please refer to	page 3										

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chror	bHS 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 b), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl thalate (BBP), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP), Dibutyl 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 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	29.5	mg		Misc.	proprietary data		0.1121	mg
			Supplier	Silicon (Si)	7440-21-3		29.0958	mg
			Supplier	Aluminum (Al)	7429-90-5		0.2921	mg
Die Attach	1.8	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.675	mg
			Supplier	Ethylene Glycol	107-21-1		0.018	mg
			Supplier	Sulfonium (Thiodi-4,1-phenylene)	89452-37-9		0.054	mg
			Supplier	Modified Silicon Dioxide (SiO2)	67762-90-7		0.378	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.675	mg
Imaging Lens	17.4	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		0.9158	mg
			Supplier	Sodium Monoxide (Na2O)	1313-59-3		0.9158	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		0.9158	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.0917	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.9158	mg
			Supplier	Potassium Monoxide (K2O)	12136-45-7		0.9158	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		12.7295	mg
Lid Attach	1.46	mg	Supplier	2-phenoxy ethyl acrylate	48145-04-6		0.657	mg
			Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.292	mg
			Supplier	Epoxy Prepolymer	Proprietary Data		0.1825	mg
			Supplier	Acrylate Oligomer	Proprietary Data		0.0073	mg
			Supplier	Curative	Proprietary Data		0.0292	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.292	mg
Mold Compound-Black	65.83	mg		Phenolic Resin	proprietary data		9.8745	mg
			Supplier	Oxirane	39817-09-9		9.8745	mg
			Supplier	1,4-Bis(2,3-epoxypropoxy)butane	2425-79-8		1.9749	mg
			Supplier	Carbon Black (C)	1333-86-4		0.6583	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		42.1312	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		1.3166	mg
Solder Ball	35.81	mg	Supplier	Silver (Ag)	7440-22-4		1.0743	mg
			Supplier	Tin (Sn)	7440-31-5		34.5567	mg
			Supplier	Copper (Cu)	7440-50-8		0.179	mg
Substrate and Solder Mask	39.07	mg	Supplier	Bis(3-ethyl-5-methyl-4- maleimidophenyl)methane	105391-33-1		0.4376	mg

			Supplier	Fiber Glass (SiO2)	65997-17-3	5.0635	mg
			Supplier	Zinc (Zn)	7440-66-6	0.0586	mg
			Supplier	Inorganic Filler of Solder Mask_Talc (Mg3Si4O10(OH)2)	14807-96-6	0.9103	mg
			Supplier	Cyanic acid (1-methylethylidene)di-4,1- phenylene ester homopolymer	25722-66-1	0.4376	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9	0.2266	mg
			Supplier	Chromium (Cr)	7440-47-3	0.0039	mg
			Supplier	Acetophenone Derivative	Proprietary Data	1.3635	mg
			Supplier	Carbon Black (C)	1333-86-4	0.2266	mg
			Supplier	2,4-Diethyl-9H-thioxanthen-9-one (DETX)	82799-44-8	0.2266	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2	4.6884	mg
			В	Nickel (Ni)	7440-02-0	0.5509	mg
			Supplier	Gold (Au)	7440-57-5	0.0195	mg
			Supplier	Solvent Naphtha (Solvent oil)	64742-94-5	2.731	mg
			Supplier	Formaldehyde Polymer	9003-36-5	0.4376	mg
			Supplier	Copper (Cu)	7440-50-8	14.6356	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7	7.0521	mg
Wire Bond - Au	0.33	mg	Supplier	Gold (Au)	7440-57-5	0.33	mg