IPC ASSOCIATION ELECTRONIC	Material Comp © Copyright 2005. Il international and Par	PC, Bannockb	urn, Illinois. A	All rights reserved ur	nder both	This docume level parts, t	ent is a declaration	ation of encom	f the substances npasses all lowe	within th	e manufactu aterials for w	rer listed it which the m	em. Note: anufacture	if the item is an as er has engineering	sembly with low responsibility.
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Form Type Distribute				*	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and M	g Informa	ation		
Supplie	r Information														
Company name*				Company unique ID			Unique ID Authority					Response Date*			
nsemi												2023-06-08			
Contact N	Jame	Title - Contact			1	Phone - Contact*				Email - Contact*					
Product-l	Env-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
uthorize	ed Representative*		Title - Representative]	Phone - Representative*				Email - Representative*				
Product-l	Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Dat	Effective Date Version Manufactur		uring Site	Weight*		UOM	Unit Type	
		LC82342	LC823425-14S1-E Aud		Audio LSI for IC recorder		2023-06-08]	PHM		2	50.0	mg	Each
Ianufa	cturing Proccess Informa	tion		,										-	
	Terminal Plating / Grid Array Material		Terminal Base Alloy J-STD-020 M		-STD-020 MSI	_ Rating	Peak Process Body Temperat		ure Max Time at Peak Temper		Temperat	ire Num	nber of Reflow Cyc	eles	
	SnAgCu		CU Alloy 4				260 C		30 seco		secon	is 3			
omments	3														
or more	information regarding material	composition j	please refer to	page 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
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).											
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	Accepted						
Exemption: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	the declaration (if required by the						

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.

Substance Instructions: [A] select the Level (JIG A, JIG B, Requester or Supplier) [B] select the substance category (JIG or Requester) or enter a value (Supplier). [C] select the substance (JIG) or enter the substance and CAS (Other). [D] select a RoHS exemption, if applicable [E] enter the weight of the substance or the PPM concentration [F] Optionally enter the positive (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	17.38	mg	Supplier	Silicon (Si)	7440-21-3		17.3105	mg
			Supplier	Polyimide	Proprietary Data		0.0695	mg
Die Attach	1.54	mg	Supplier	Epoxy resins	129915-35-1		0.77	mg
			Supplier	Other Metal Oxide	Proprietary Data		0.0308	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		0.7392	mg
Mold Compound-Black	152.57	mg		Phenolic Resin	proprietary data		12.2056	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		13.7313	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		15.257	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		106.799	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		4.5771	mg
Solder Ball	23.12	mg	Supplier	Silver (Ag)	7440-22-4		0.6867	mg
			Supplier	Tin (Sn)	7440-31-5		22.3131	mg
			Supplier	Copper (Cu)	7440-50-8		0.1202	mg
Substrate and Solder Mask	54.12	mg	Supplier	Brominated Epoxy Resin-2	68541-56-0		3.047	mg
			Supplier	Silica crystalline	14808-60-7, 14464- 46-1		0.1515	mg
			Supplier	Inorganic filler	13776-74-4, 7631- 86-9, 21645-51-2		0.2165	mg
			Supplier	Fiber Glass (SiO2)	65997-17-3		10.2341	mg
			Supplier	Inorganic filler of Solder Mask	14807-96-6 7727- 43-7		0.6873	mg
			В	Nickel (Ni)	7440-02-0		12.9293	mg
			Supplier	Gold (Au)	7440-57-5		1.3963	mg
			Supplier	Cured Resin of Solder Mask	Proprietary Data		0.2327	mg
			Supplier	Bismaleimide Triazine resin	Proprietary Data		9.8823	mg
			Supplier	Copper (Cu)	7440-50-8		15.343	mg
Wire Bond	1.27	mg	Supplier	Palladium (Pd)	7440-05-3		0.0126	mg
			Supplier	Gold (Au)	7440-57-5		1.2574	mg