IPC ASSOCIATION ELECTRONIC	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.				nder both	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lowe level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
1752-21.1	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						on				
Supplie	r Information														
Company name* Company				npany unique ID			Unique ID Authority					Response Date*			
nsemi												2023-06-08			
Contact N	lame		Title - Contact			]	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 Date Version Manufac		Manufact	cturing Site Weight*		Veight*	UOM	Unit Type	
		LC82342	LC823425-13W1-E Audio		Audio LSI for IC recorder		2023-06-08			РНМ		3	02.8073	mg	Each
<b>I</b> anufa	cturing Proccess Informat	tion													
	Terminal Plating / Grid Array Material		Ferminal Base Alloy J-STD-020 M		-STD-020 MSL	_ Rating	Peak Process Body Temperat		ody Temperatu	ure Max Time at Peak Temper		Temperatu	are Numb	er of Reflow Cyc	eles
	SnAgCu		CU Alloy 4			<b>260</b> C		30 seco		secono	is 3				
omments	3														
or more	information regarding material	composition <b>j</b>	please refer to	page 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	led						
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 it provides in this form using appropriate methods to ensure its accuracy and that such 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 has not independently verified information provided by others, Supplier agrees that, at a minimum, its 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 have 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											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substa	ances per the definition above	Supplier Ac	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											
Instructional Complete all of the required	fields on all neggs of this form. Calcut th		a duan dawn. This will display the signature on	a Digitally sign	the declaration (if recurined by the						
Instructions: Complete all of the required Requester) and click on Submit Form to			e drop-down. This will display the signature ar	ea. Digitally sign	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	18.5527	mg	Supplier	Silicon (Si)	7440-21-3		18.4785	mg
			Supplier	Polyimide	Proprietary Data		0.0742	mg
Die Attach	0.9479	mg	Supplier	Epoxy resins	129915-35-1		0.4739	mg
			Supplier	Other Metal Oxide	Proprietary Data		0.019	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		0.455	mg
Mold Compound-Black	169.4	mg		Phenolic Resin	proprietary data		8.47	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		147.378	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		13.552	mg
Solder Ball	36.7137	mg	Supplier	Silver (Ag)	7440-22-4		1.0904	mg
			Supplier	Tin (Sn)	7440-31-5		35.4324	mg
			Supplier	Copper (Cu)	7440-50-8		0.1909	mg
Substrate and Solder Mask	74.6691	mg		Epoxy resin	proprietary data		5.9735	mg
			Supplier	Inorganic filler	13776-74-4, 7631- 86-9, 21645-51-2		8.2136	mg
			В	Nickel (Ni)	7440-02-0		1.12	mg
			Supplier	Acrylic resins	Proprietary Data		7.4669	mg
			Supplier	Bismaleimide Triazine resin	Proprietary Data		24.2675	mg
			Supplier	Copper (Cu)	7440-50-8		27.6276	mg
Wire Bond - Au	2.5239	mg	Supplier	Gold (Au)	7440-57-5		2.5239	mg