IPC ASSOCIATION CONNE	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 lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
752-21.1	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 Materia					als and Mfg Information			
Supplier Info														
Company name*			Company unique ID			Unique ID Authority				Response Date*				
nsemi				2025-07-15										
Contact Name			Title - Contact			1	Phone - Contact*				Email - Contact*			
Product-Env-St	ewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Authorized Representative*			Title - Repres	cle - Representative Phone - Representative* Email - Representative*				ative*						
Product-Env-Stewards			Product Envi	ro Compliance			NA				Product-Env-Stewards@onsemi.com			
Requ	ester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	Versio	n :	Manufacturing Site	V	Veight*	UOM	Unit Type
		AR0140A A0-DRB	AT3C00XUE R	1.0 MP 1/4 CIS			2025-07-15		,	ΓWU	1	85.9	mg	Each
<b>Ianufacturi</b> i	ng Proccess Informat	tion												
Termi	nal Plating / Grid Array Ma	terial T	erminal Base A	Alloy	J-STD-020 MS	L Rating	Peak Prod	ess Body	Temperatu	re Max Time at Peak	Temperatu	ıre Num	ber of Reflow Cyc	eles
SnAgCu CU Al		CU Alloy	3	3		260		C	30	second	ls 3			
omments														
TTENTION: M	ASL 3 Rated item requires	s Bake and D	ry Pack (after	electrical test)										
or more inform	ation regarding material	composition	please refer to	page 3										

RoHS Material Composition Declaration			Declaration Type *	Detail	ed
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		ium (Cr6+), Polybrominated Biphenyls (PB)	erial for Cadmium and quantity limit of 0.1% b B), Polybrominated Diphenyl Ethers (PBDE), a		
cadmium, hexavalentchromium, polybromin contains a RoHS restricted substance inexce encompass all such components. Supplier cet as of the date that Supplier completes this Company acknowledges that Supplier may hindependently verified information provided certification in this paragraph. If the Compan	nated biphenyls and/or polybrominated diphess of an applicable quantity limit, please indriffes that it gathered the information it provom. Supplier acknowledges that Company wave relied on informationprovided by others of the supplier agrees that, at a minimusy and the Supplier enter into a written agree yesource of the Supplier's liability and the C	enyl ethers (each a "RoHS restricted substan licate below which, if any, RoHS exemption vides in this form using appropriate methods vill rely on this certification in determining the s in completing this form, and that Supplier um, itssuppliers have provided certifications ement with respect to the identified part, the tompany's remedies for issues that arise rega	s of the European Union member states) of the ce") in excess of the applicable quantity limit is you believe may apply. If the part is an assemb to ensure its accuracy and that such informatio e compliance of its products with European Ur may not have independently verified such infor regarding their contributions to the part, and the erms and conditions of that agreement, including information the Supplier provides in this	dentified above. If a ally with lower level in is true and correct tion member state la mation. However, in ose certifications are ag any warranty righ	homogeneous material within the part components, the declaration shall to the best of its knowledge and belief, was that implement the RoHS Directive. In situations where Supplier has not the at least as comprehensive as the lats and/or remedies provided as part of
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 applicable exemptions.	contain RoHS restricted substances per t	he definition above except for defined Rol	IS exemptions, then select the corresponding	response in the R	oHS Declaration above and choose all
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	29.74	mg		Misc.	proprietary data		0.113	mg
			Supplier	Silicon (Si)	7440-21-3		29.3326	mg
			Supplier	Aluminum (Al)	7429-90-5		0.2944	mg
Die Attach	1.81	mg	Supplier	Siloxanes and Silicones, di-Me, hydroxy- terminated, reaction products with Me hydrogen siloxanes and trimethoxy(3- (oxiranylmethoxy)propyl)silane	153890-18-7		0.362	mg
			Supplier	1,1'-(Methylenedi-p- phenylene)bismaleimide	13676-54-5		0.8145	mg
			Supplier	2,2-Bis(4-hydroxyphenyl)propane- epichlorohydrin copolymer acrylate	55818-57-0		0.181	mg
			Supplier	2,2-dimethyl-1,3-propanediyl dimethacrylate	1985-51-9		0.181	mg
			Supplier	2-phenoxy ethyl acrylate	48145-04-6		0.181	mg
			Supplier	Epoxy Phenol Novolak Resin	28064-14-4		0.0905	mg
Epoxy	0.58	mg	Supplier	Imidazole Addition	68490-66-4		0.174	mg
			Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.058	mg
			Supplier	Zirconium Dioxide (ZrO2)	1314-23-4		0.058	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.058	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.232	mg
Glass Lid /Cap	14.14	mg	Supplier	Fiber Glass (SiO2)	65997-17-3		14.14	mg
Mold Compound	64.32	mg		Epoxy resin	proprietary data		15.9514	mg
			Supplier	Other Additive Agents	Proprietary Data		2.0582	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		6.432	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		37.9488	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		1.9296	mg
Solder Ball	35.79	mg	Supplier	Silver (Ag)	7440-22-4		1.0737	mg
			Supplier	Tin (Sn)	7440-31-5		34.5373	mg
			Supplier	Copper (Cu)	7440-50-8		0.1789	mg
Substrate Copper Foil	3.235	mg	Supplier	Copper (Cu)	7440-50-8		3.235	mg
Substrate - Core Material	16.071	mg		Epoxy resin	proprietary data		9.3212	mg
			Supplier	Fiber Glass (SiO2)	65997-17-3		6.7498	mg
Substrate Plating-Au	0.278	mg	Supplier	Gold (Au)	7440-57-5		0.278	mg
Substrate Plating-Cu	14.464	mg	Supplier	Copper (Cu)	7440-50-8		14.464	mg

Substrate Plating-Ni	0.668	mg	В	Nickel (Ni)	7440-02-0	0.668	mg
Substrate - Solder Mask	4.204	mg	Supplier	Polyacrylate- PAK	- (basic polymer)	1.8245	mg
			Supplier	Talc	14807-96-6	0.1303	mg
			Supplier	Miscellaneous	Trade Secret	0.1766	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7	2.0726	mg
Wire Bond - Au	0.6	mg	Supplier	Gold (Au)	7440-57-5	0.6	mg