IPC ASSOCIATION ELECTRONICS	© Copyright 2005	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under international and Pan-American copyright conventions.		der both This level	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lowelevel 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 Typ http://www.ipc.org/IPC-175x Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					ials and Mfg Information			
upplier	Information													
Company name*				Company unique ID			Unique ID Authority				Response Date*			
nsemi											2023-06-08			
Contact Na	nme		Title - Contact			Ph	Phone - Contact*				Email - Contact*			
Product-E	nv-Stewards		Product Enviro Compliance			N	NA				Product-Env-Stewards@onsemi.com			
uthorized	Representative*	Title - Representative			Ph	Phone - Representative*			Email - Representative*					
Product-Env-Stewards Product				roduct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
	Requester Item Number	Mfr Item	Number	Number Mfr Item Name		E	Effective Date	ve Date Version Manufacturing Site		V	Veight*	UOM	Unit Type	
		NCL30386B1DR2G Dimmable Power Facto		actor Corrected LE	ED 2	023-06-08		P	PH1		4.52	mg	Each	
	turing Proccess Inform											1		
2			erminal Base Alloy J-STD-020 MSL Rating		ing									
]	Matte Tin (Sn) - annealed	(	CU Alloy	1			260		C	30	second	ls  3		
omments														
vel 1 - ma	ximum time at peak tempera	ture during so	ldering is 10-3	30 seconds										
or more i	nformation regarding materi	al composition	please refer t	o 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 (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).											
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 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).

<b>Homogeneous Material</b>	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	1.26	mg	Supplier Silicon (Si)		7440-21-3		1.26	mg	
Die Attach	0.37	mg	Supplier	Epoxized Condensate Of Para- Hydrobenzaldehyde And Alkyl Phenol	129915-35-1		0.074	mg	
			Supplier	Silver (Ag)	7440-22-4		0.296	mg	
Lead Frame	21.32	mg	Supplier	Silver (Ag)	7440-22-4		0.3624	mg	
			Supplier	Zinc (Zn)	7440-66-6		0.0256	mg	
			Supplier	Iron (Fe)	7439-89-6		0.501	mg	
			Supplier	Copper (Cu)	7440-50-8		20.4246	mg	
			Supplier	Phosphorus (P)	7723-14-0		0.0064	mg	
Mold Compound-Black	50.28	mg		Epoxy resin	proprietary data		2.514	mg	
			Supplier	Phenolic Resin	Proprietary Data		1.0056	mg	
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		1.257	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.2514	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		45.252	mg	
Plating	1.14	mg	Supplier	Tin (Sn)	7440-31-5		1.14	mg	
Wire Bond - Au	0.15	mg	Supplier	Gold (Au)	7440-57-5		0.15	mg	