IPC ASSOCIATION ELECTRONICS	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.				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.									
752-21.1					Form Type * Distribute	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					eous Materia	ials and Mfg Information			
upplier	Information														
ompany 1	name*	Company ur	Company unique ID			Unique ID Authority					Response Date*				
nsemi												2023-06-08			
Contact Na	ame		Title - Contact			I	Phone - Contact*					Email - Contact*			
Product-E	Inv-Stewards		Product Enviro Compliance]	NA				Product-Env-Stewards@onsemi.com				
uthorized	l Representative*	Title - Representative			F	Phone - Representative*				Email - Representative*					
Product-E	Inv-Stewards	Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	fective Date		ring Site	V	Veight*	UOM	Unit Type	
		NLAS323USG LOG SS SPDT		LOG SS SPDT AN	NALOG SWITC	VITCH 2023-06-08		1	MY1		9	.72	mg	Each	
Ianufac	cturing Proccess Informa	tion													
	Terminal Plating / Grid Array M	Terminal Base Alloy J-STD-020 MS		-STD-020 MSL	Rating	Peak Process Body Temperature		e Max T	me at Peak	Temperatu	ire Numb	er of Reflow Cyc	eles		
Matte Tin (Sn) - annealed		CU Alloy 1			260 C 30		30		second	ds 3					
omments															
vel 1 - ma	aximum time at peak temperat	ure during sol	ldering is 10	30 seconds											
or more i	nformation regarding material	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 (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 knowledges 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 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 Itability 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 su											
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	0.02	mg	Supplier	Silicon (Si)	7440-21-3		0.02	mg
Die Attach	0.18	mg		Epoxy resin	proprietary data		0.054	mg
			Supplier	Fatty acids, C18-unsatd., dimers, polymers with epichlorhydrin	68475-94-5		0.054	mg
			Supplier	2,2'-[[2-(oxiranylmethoxy)-1,3-phenylene]bis(methylene)]bisoxirane	13561-08-5		0.054	mg
			Supplier	4-Methyl-2-Phenyl-1H-Imidazole	827-43-0		0.0162	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0018	mg
Lead Frame	2.9	mg	Supplier	Silver (Ag)	7440-22-4		0.0029	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0841	mg
			Supplier	Iron (Fe)	7439-89-6		0.0986	mg
			Supplier	Copper (Cu)	7440-50-8		2.7144	mg
Mold Compound-Black	6.5	mg		Epoxy resin	proprietary data		0.325	mg
			Supplier	Phenolic Resin	Proprietary Data		0.325	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.13	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0325	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		5.6875	mg
Plating	0.08	mg	Supplier	Tin (Sn)	7440-31-5		0.08	mg
Wire Bond - Au	0.04	mg	Supplier	Gold (Au)	7440-57-5		0.04	mg