ASSOCIATION CONNECT: ELECTRONICS INDUSTR	Material Compo © Copyright 2005. IF international and Pan	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 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 Typ  http://www.ipc.org/IPC-175x  Form Typ  Distribute				e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information					
Supplier Inform	mation															
Company name* Company unique ID				ique ID		Unique ID Authority					Response Date*					
nsemi							I					2023-06-08				
Contact Name	Title - Contac	Title - Contact			Phone - Contact*					Email - Contact*						
Product-Env-Stew	vards	Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com					
Authorized Representative* Title -				Title - Representative P			Phone - Representative*				Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com						
Reques	ster Item Number	er Item Number Mfr Item Number NLSX4402FMU		m Number Mfr Item Name			Effective Da	te Vers	Version M		Manufacturing Site		Weight* UOM		UOM	Unit Type
				2-Bit 20 Mb/s Dual-Supply Level Translator			2023-06-08	-08 MY1			2.3			mg	Each	
<b>Ianufacturing</b>	g Proccess Informat	ion						<u>'</u>					·			
Termina	inal Plating / Grid Array Material		Terminal Base Alloy J		-STD-020 MSL Rating		Peak Process Body Temperatu		re Max Time at Peak Temp		Temperatu	rature Number of Reflow Cycles		les		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			CU Alloy		1		260		С	30 seco		secono	ls 3	3		
Comments																
vel 1 - maximum	time at peak temperatu	re during so	ldering is 10-3	0 seconds												
or more informat	tion regarding material o	composition	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 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 informationprovided 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 suppliers 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 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).

<b>Homogeneous Material</b>	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.11	mg	Supplier	Silicon (Si)	7440-21-3		0.11	mg
Die Attach	0.13	mg	Supplier	Epoxized Condensate Of Para- Hydrobenzaldehyde And Alkyl Phenol	129915-35-1		0.0416	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.0884	mg
Lead Frame	0.69	mg	Supplier	Tin (Sn)	7440-31-5		0.0017	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0015	mg
			Supplier	Chromium (Cr)	7440-47-3		0.0017	mg
			Supplier	Copper (Cu)	7440-50-8		0.685	mg
Mold Compound-Black	1.32	mg	Supplier	Epoxy and Phenolic Resin	40216-08-8		0.1056	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0066	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.0264	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1.1418	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0396	mg
Plating	0.01	mg	Supplier	Palladium (Pd)	7440-05-3		0.0003	mg
			В	Nickel (Ni)	7440-02-0		0.0096	mg
			Supplier	Gold (Au)	7440-57-5		0.0001	mg
Wire Bond - Au	0.04	mg	Supplier	Gold (Au)	7440-57-5		0.04	mg