ABSOCIATION CONNECTING ELECTRONICS INDUSTRIES® MAterial Comp © Copyright 2005. I international and Par	PC, Bannock	burn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declar the declaratio	ration of n encom	f the substance npasses all low	es within t ver level n	he manufacture naterials for y	urer listed it which the m	em. No anufac	ote: if the cturer has	item is an as engineering	sembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				e *	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mate					rials and M	ials and Mfg Information				
Supplier Information																
Company name*			Company unique ID			Unique ID Authority					Respons	Response Date*				
nsemi											2023-06-08					
Contact Name Title - Contact				Phone			Phone - Contact*				Email -	Email - Contact*				
Product-Env-Stewards	ro Compliance			NA					Produc	Product-Env-Stewards@onsemi.com						
Authorized Representative* Title - Representative			sentative	tative Ph			Phone - Representative*				Email -	Email - Representative*				
Product-Env-Stewards	Product Enviro Compliance			NA				Produc	Product-Env-Stewards@onsemi.com							
Requester Item Number	Requester Item Number Mfr Item		Number Mfr Item Name			Effective Date Version Manufacturing Si		turing Site	7	Weight	*	UOM	Unit Type			
	NLV14	071BDTR2G	QUAD 2-INPUT OR GATE			2023-06-08			PH1		4	45.24		mg	Each	
Aanufacturing Proccess Informa	tion								·					1	I	
Terminal Plating / Grid Array M	aterial	Terminal Base A	Alloy	J-STD-020 MSL Ra		Peak Process		Body Temperature Max Time at Pea		k Temperat	Temperature Number		f Reflow Cyc	les		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1		1		260		С	30		secon	ds 3	5			
omments																
vel 1 - maximum time at peak temperati	ire during so	dering is 10-3	0 seconds													
or more information regarding material	composition	please refer to	page 3													

RoHS Material Composition Declaration				Declaration Type *	Detailed						
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).										
cadmium, hexavalentchromium, polybrominate contains a RoHS restricted substance inexcess encompass all such components. Supplier certif as of the date that Supplier completes this form Company acknowledges that Supplier may hav independently verified information provided by certification in this paragraph. If the Company a	ed biphenyls and/or polybrominated dip of an applicable quantity limit, please ir ies that it gathered the information it pro- .Supplier acknowledges that Company e relied on informationprovided by othe y others, Supplier agrees that, at a minin and the Supplier enter into a written agre pource of the Supplier's liability and the	henyl ethers (each a " ndicate below which, i ovides in this form us will rely on this certifiers in completing this num, itssuppliers have eement with respect to Company's remedies	RoHS restricted substance") in exce if any, RoHS exemption you believe ing appropriate methods to ensure if ication in determining the complian form, and that Supplier may not have e provided certifications regarding the to the identified part, the terms and cc for issues that arise regarding inform	ce of its products with European Union membe	ove. If a homogeneous material within the part er level components, the declaration shall l correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not tions are at least as comprehensive as the anty rights and/or remedies provided as part of						
RoHS Declaration * 1 - Item(s)	does not contain RoHS restricted substa	ances per the definitio	on above	Supplier Acceptance	* Accepted						
Exemption: If the declared item does not con applicable exemptions.	ntain RoHS restricted substances per	the definition above	except for defined RoHS exempti	ons, then select the corresponding response i	n the RoHS Declaration above and choose all						
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required fin Requester) and click on Submit Form to have	elds on all pages of this form. Select the form returned to the Requester	he "Accepted" on th	e Supplier Acceptance drop-down	. This will display the signature area. Digital	lly sign the declaration (if required by the						
Supplier Digital Signature Ra	stislav Drska	Le									

## 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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	2.0	mg	Supplier	Silicon (Si)	7440-21-3		2	mg
Die Attach	1.44	mg	Supplier	Silver (Ag)	7440-22-4		1.08	mg
			Supplier	Epoxy resins	129915-35-1		0.36	mg
Lead Frame	22.54	mg	Supplier	Iron (Fe)	7439-89-6		0.4283	mg
			Supplier	Copper (Cu)	7440-50-8		22.1117	mg
Mold Compound-Black	19.0	mg		Epoxy resin	proprietary data		1.425	mg
			Supplier	Phenolic Resin	Proprietary Data		0.475	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		1.425	mg
			Supplier	Carbon Black (C)	1333-86-4		0.095	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		15.58	mg
Plating	0.04	mg	Supplier	Palladium (Pd)	7440-05-3		0.003	mg
			В	Nickel (Ni)	7440-02-0		0.0364	mg
			Supplier	Gold (Au)	7440-57-5		0.0006	mg
Wire Bond - Cu	0.22	mg	Supplier	Copper (Cu)	7440-50-8		0.22	mg