ABSOCIATION CONNECTING LECTRONICS INDUSTRIES® Material Comp © Copyright 2005. I international and Pa	PC. Bannock	burn. Illinois. A	ll rights reserved nations.	under both	This docum level parts, t	ent is a declarat	ion of the su	ibstances s all lowe	within the manuf r level materials	acturer liste for which the	d item. Not e manufacti	te: if the item is an urer has engineerin	assembly with lower g responsibility.	
				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials					laterials and	is and Mfg Information			
Supplier Information														
Company name*	Company un	Company unique ID			Unique ID Authority				Resp	Response Date*				
onsemi											2024-05-14			
Contact Name Title - Contact			et			Phone - Contact*				Emai	Email - Contact*			
Product-Env-Stewards Product En			et Enviro Compliance			NA				Prod	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title -			itle - Representative			Phone - Representative*				Emai	Email - Representative*			
Product-Env-Stewards	Product Enviro Compliance				NA				Prod	Product-Env-Stewards@onsemi.com				
Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective Date	Version	ľ	Manufacturing Site		Weight*	UOM	Unit Type	
	NLV74I	NLV74HC20ADR2G Dual 4-Input NAN		ND Gate	e 2024-0						122.04	mg	Each	
Manufacturing Proccess Informa	tion													
Terminal Plating / Grid Array M	terial Terminal Base Alloy		Alloy	J-STD-020 MS	MSL Rating Pea		ak Process Body Temperature Max Time at Pea		Peak Tempe	rature Nu	umber of Reflow C	ycles		
Matte Tin (Sn) - annealed CU Alloy		CU Alloy	1			260 C		C	30 seco		seconds 3			
Comments														
level 1 - maximum time at peak temperat	ire during so	oldering is 10-3	0 seconds											
For 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 v 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 co 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	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.

select a RoHS exemption, if appli	cable [E] enter the weigh			ance category (JIG or Requester) or enter a [F] Optionally enter the positive (+) and n				
sigma range of distribution unless Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.98	mg	Supplier	Silicon (Si)	7440-21-3		0.98	mg
Die Attach	4.44	mg	Supplier	Silver (Ag)	7440-22-4		3.33	mg
			Supplier	Epoxy resins	129915-35-1		1.11	mg
Lead Frame	69.62	mg	Supplier	Silver (Ag)	7440-22-4		0.7658	mg
			Supplier	Zinc (Zn)	7440-66-6		0.1392	mg
			Supplier	Iron (Fe)	7439-89-6		1.8101	mg
			Supplier	Copper (Cu)	7440-50-8		66.9048	mg
Mold Compound-Black	43.43	mg		Epoxy resin	proprietary data		2.1715	mg
			Supplier	Phenolic Resin	Proprietary Data		2.1715	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.8686	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2172	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		38.0013	mg
Plating	3.27	mg	Supplier	Tin (Sn)	7440-31-5		3.27	mg
Wire Bond - Cu	0.3	mg	Supplier	Copper (Cu)	7440-50-8		0.3	mg