ASSOCIATION CONNECTING ELECTROMICS INDUSTRIES*	PC. Bannockł	ourn, Illinois, A	ll rights reserved untions.	under both	This docume level parts, t	ent is a declarati the declaration e	on of the su	ibstances v s all lower	within the manufactule level materials for w	urer listed which the	item. Note: manufacture	if the item is an as er has engineering	sembly with low responsibility.	
				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Material					rials and N	ls and Mfg Information			
Supplier Information														
Company name* Comp			ompany unique ID			Unique ID Authority				Respo	Response Date*			
onsemi									2023-0	2023-06-08				
Contact Name	Vame Title - Contact					Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards Product Enviro Com			Compliance			NA			Produ	Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Represen			entative		Phone - Representative*			Email	Email - Representative*					
Product-Env-Stewards Produ			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Item Number		er Mfr Item Name			Effective Date	Version	M	Manufacturing Site		Weight*	UOM	Unit Type	
	NLV74H	NLV74HC74ADR2G DUAL D-TYPE FL		FLIP-FLOP WI	T	2023-06-08		P	PH1		122.04	mg	Each	
Aanufacturing Proccess Informat	ion		•								·			
Terminal Plating / Grid Array Ma	terial 7	al Terminal Base Alloy J-		J-STD-020 MSI	L Rating	Peak Process Body Temperat		emperature	ure Max Time at Peak Temper		ature Num	ber of Reflow Cyd	eles	
Matte Tin (Sn) - annealed CU Alloy			1		260		С	30	seco	onds 3				
omments														
vel 1 - maximum time at peak temperatu	re during so	ldering 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), Disobutyl 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 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	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.

sigma range of distribution unless otherwise noted).									
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 6	68.85	mg	Supplier	Zinc (Zn)	7440-66-6		0.0826	mg	
			Supplier	Iron (Fe)	7439-89-6		1.618	mg	
			Supplier	Copper (Cu)	7440-50-8		67.1288	mg	
			Supplier	Phosphorus (P)	7723-14-0		0.0207	mg	
Lead Frame plating	0.77	mg	Supplier	Silver (Ag)	7440-22-4		0.77	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	

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 (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 signa range of distribution unless otherwise noted)