ABSOCIATION CONNECTING LECTRONICS INDUSTRIES® INTERNATIONAL AND PARTICIPACITY OF CONTRACT	C, Bannockt	ourn, Illinois. A	ll rights reserved untions.	under both	This docume level parts, t	ent is a decla	ration of th	e substances asses all lowe	within the er level mate	manufacture erials for wh	er listed ite tich the ma	m. Note: if nufacturer	the item is an as has engineering	sembly with lower responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Ty _I http://www.ipc.org/IPC-175x Distribute				e *	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information				
Supplier Information															
Company name*	Company unique ID			Unique ID Authority					Response Date*						
onsemi											2024-05-18				
Contact Name Ti			Title - Contact			Phone - Contact*					Email - Contact*				
Product-Env-Stewards	Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com						
Authorized Representative*	Title - Representative			Phone - Representative*				Email - Representative*							
Product-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com						
Requester Item Number	Mfr Item	n Number	Mfr Item Name			Effective D	ate Versi	ion	Manufacturing Site		W	eight*	UOM	Unit Type	
	NL17SZ	IL17SZ74USG LOG D I		OG D FLIP FLOP		2024-05-18			ТНВ		1	1.469	mg	Each	
Manufacturing Proccess Informat	ion		1					1					1	I	
Terminal Plating / Grid Array Ma	erial 7	Terminal Base A	Alloy	J-STD-020 MSL Rating		Peak Process Body Temp		y Temperatu	ature Max Time at Peak Te		Гетрегаtu	rature Number of Reflow Cycles		les	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1		1		260		C	30 seco		second	econds 3			
Comments															
evel 1 - maximum time at peak temperatu	e during so	ldering is 10-3	0 seconds												
For more information regarding material	omposition	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 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.

Homogeneous Material Weight		Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.15	mg	Supplier	Silicon (Si)	7440-21-3		0.15	mg
Die Attach Tape	0.019	mg	Supplier	Oxirane, (chloromethyl)-, homopolymer	24969-06-0		0.0029	mg
			Supplier	2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate and methyl 2- methyl-2-propenoate	25035-69-2		0.0029	mg
			Supplier	Proprietary	Proprietary Data		0.0019	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.0085	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0029	mg
Lead Frame	4.7	mg	Supplier	Zinc (Zn)	7440-66-6		0.0056	mg
			Supplier	Iron (Fe)	7439-89-6		0.1104	mg
			Supplier	Copper (Cu)	7440-50-8		4.5825	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0014	mg
Mold Compound-Black	6.5	mg		Epoxy resin	proprietary data		0.325	mg
			Supplier	Phenolic Resin	Proprietary Data		0.13	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.1625	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0325	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		5.85	mg
Plating	0.09	mg	Supplier	Palladium (Pd)	7440-05-3		0.0022	mg
			В	Nickel (Ni)	7440-02-0		0.0792	mg
			Supplier	Gold (Au)	7440-57-5		0.0086	mg
Wire Bond	0.01	mg	Supplier	Palladium (Pd)	7440-05-3		0.0003	mg
			Supplier	Gold (Au)	7440-57-5		0	mg
			Supplier	Copper (Cu)	7440-50-8		0.0097	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 (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).