ABSOCIATION CONNECTING ELECTRONICS INDUSTRIES® INCLUSTRIES®	PC, Bannock	burn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declar the declaration	ration of n encom	f the substance npasses all low	es within the ver level m	ne manufactu aterials for w	rer listed it which the m	em. Not anufactu	e: if the item is an a urer has engineering	ssembly 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 Mater					ials and Mfg Information				
Supplier Information															
Company name*	Company unique ID			Unique ID Authority					Response Date*						
onsemi									2023-06-08						
Contact Name Title - C			ïtle - Contact			Phone - Contact*					Email -	Email - Contact*			
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com					
Authorized Representative* Title -			Title - Representative			Phone - Representative*				Email - Representative*					
Product-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com						
Requester Item Number	Requester Item Number Mfr Iter		m Number Mfr Item Name			Effective Date Versi		ersion	Manufacturing Site MY1		V	Veight*	UOM	Unit Type	
	NLAS3	NLAS3158MNR2G ANA PB I		A PB FREE SWITCH		2023-06-08		6			6.31 mg		Each		
Aanufacturing Proccess Informa	tion					·							I	I	
Terminal Plating / Grid Array M	aterial	Terminal Base	Alloy	J-STD-020 MSL Rating		Peak Process Body Temp		ody Temperat	ature Max Time at Peak		C Temperati	emperature Number of Reflow Cycles		cles	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1		1		260		С	30		second	ls 3			
Comments															
evel 1 - maximum time at peak temperat	ure during so	oldering 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 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	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	0.19	mg	Supplier	Silicon (Si)	7440-21-3		0.19	mg
Die Attach Epoxy	0.16	mg		Epoxy resin	proprietary data		0.048	mg
			Supplier	Diethylene glycol monoethyl ether acetate	112-15-2		0.056	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.056	mg
Lead Frame	0.99	mg	Supplier	Zinc (Zn)	7440-66-6		0.0012	mg
			Supplier	Iron (Fe)	7439-89-6		0.0233	mg
			Supplier	Copper (Cu)	7440-50-8		0.9653	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0003	mg
Mold Compound-Black	4.74	mg		Epoxy resin	proprietary data		0.2228	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.474	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0047	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		3.8157	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.2228	mg
Plating	0.05	mg	Supplier	Palladium (Pd)	7440-05-3		0.0016	mg
			В	Nickel (Ni)	7440-02-0		0.0478	mg
			Supplier	Gold (Au)	7440-57-5		0.0005	mg
Wire Bond - Au	0.18	mg	Supplier	Gold (Au)	7440-57-5		0.18	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).