ABBOCIATION CONNECTING LECTRODUCES INDUSTRIES® INDUSTRIES® INTERNATIONAL AND	, Bannock	burn, Illinois. A	ll rights reserved untions.	nder both	This docume level parts, t	ent is a declar the declaratio	ation of the s	substances es all lowe	within the man r level material	ufacturer listed s for which the	d item. N e manufa	Note: if th acturer ha	e item is an ass s engineering r	embly with lower esponsibility.
	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and M					Mfg Inf	ormation		
Supplier Information														
Company name*	Company uni	Company unique ID			Unique ID Authority					Response Date*				
onsemi								2023-06-08						
Contact Name Title - C			le - Contact I			Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards Prod			Product Enviro Compliance			NA				Prod	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - F			e - Representative			Phone - Representative*				Email	Email - Representative*			
Product-Env-Stewards	Product Envir	Product Enviro Compliance			NA				Prod	Product-Env-Stewards@onsemi.com				
Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective Da	ate Versior	ı l	Manufacturing Site		Weigh	nt*	UOM	Unit Type
	NLVPC G	JLVPCA9535EDTR2 16-BIT L		6-BIT I/O EXPANDER		2023-06-08]	PH1		69.68		mg	Each
Manufacturing Proccess Information	n							·			-			
Terminal Plating / Grid Array Mate	rial	Ferminal Base Alloy J		-STD-020 MS	L Rating	Peak Pr	k Process Body Temperature		re Max Time at Peak Tempera		rature Number of Reflow Cycles		es	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1				260		С	30 seco		econds 3			
Comments														
evel 1 - maximum time at peak temperature	during so	Idering is 10-3	0 seconds											
or more information regarding material co	mposition	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	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	3.12	mg	Supplier	Silicon (Si)	7440-21-3		3.12	mg
Die Attach	1.26	mg		Epoxy resin	proprietary data		0.126	mg
			Supplier	Ethylene dimethacrylate	97-90-5		0.063	mg
			Supplier	Silver (Ag)	7440-22-4		1.008	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.063	mg
Lead Frame	16.21	mg	Supplier	Iron (Fe)	7439-89-6		0.308	mg
			Supplier	Copper (Cu)	7440-50-8		15.902	mg
Mold Compound-Black	45.76	mg		Epoxy resin	proprietary data		2.288	mg
			Supplier	Phenol Resin	Proprietary Data		1.8304	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		4.576	mg
			Supplier	Carbon Black (C)	1333-86-4		0.4576	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		36.608	mg
Plating	2.91	mg	Supplier	Palladium (Pd)	7440-05-3		0.2212	mg
			В	Nickel (Ni)	7440-02-0		2.6481	mg
			Supplier	Gold (Au)	7440-57-5		0.0407	mg
Wire Bond - Au	0.42	mg	Supplier	Gold (Au)	7440-57-5		0.42	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).