ABSOCIATION CONNECTING ELECTROMICS INDUSTRIES® International and Pan-	C, Bannock	burn, Illinois. A	Il rights reserved untions.	inder both	This docume level parts, t	ent is a declar the declaratio	ration of	of the substa	nces w lower l	thin the manuf evel materials f	acturer listed or which the	l item. e manuf	Note: if t acturer h	he item is an as as engineering	sembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Ty http://www.ipc.org/IPC-175x Distribut				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mate					aterials and	rials and Mfg Information					
upplier Information																
Company name*	Company unique ID			Unique ID Authority					Respo	Response Date*						
nsemi											2023-0	2023-06-08				
Contact Name Title - Contact				Pho			Phone - Contact*					Email - Contact*				
Product-Env-Stewards	Product Envi	roduct Enviro Compliance			NA					Prod	Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Representative			sentative	Pho			Phone - Representative*				Email	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 Da	ate V	/ersion	Ma	Manufacturing Site		Weig	ht*	UOM	Unit Type	
	NB3N8: G	53531EDTR2	FAN-OUT BUFF	FAN-OUT BUFF W/CRYSL INPT		2023-06-08						69.08		mg	Each	
Anufacturing Proccess Informati	on					• 						•			l	
Terminal Plating / Grid Array Mat	erial	Ferminal Base A	Alloy	J-STD-020 MS	L Rating	Peak Process Boo		Body Tempe	dy Temperature Max Time at Peak		Peak Temper	Temperature Numbe		of Reflow Cyc	les	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1		1		260	С			30		onds	3			
omments																
vel 1 - maximum time at peak temperatur	e during so	ldering is 10-3	0 seconds													
or more information regarding material c	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), 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 y 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	0.09	mg	Supplier	Silicon (Si)	7440-21-3		0.09	mg
Die Attach	2.46	mg	Supplier	Silver (Ag)	7440-22-4		1.845	mg
			Supplier	Epoxy resins	129915-35-1		0.615	mg
Lead Frame	38.58	mg	Supplier	Iron (Fe)	7439-89-6		0.733	mg
			Supplier	Copper (Cu)	7440-50-8		37.847	mg
Mold Compound-Black	24.35	mg		Epoxy Phenol Resin	proprietary data		2.5568	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		21.7932	mg
Plating	3.44	mg	Supplier	Palladium (Pd)	7440-05-3		0.2614	mg
			В	Nickel (Ni)	7440-02-0		3.1304	mg
			Supplier	Gold (Au)	7440-57-5		0.0482	mg
Wire Bond - Au	0.16	mg	Supplier	Gold (Au)	7440-57-5		0.16	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 sigma range of distribution unless otherwise noted)