ASSOCIATION CONNECTING LECTROMICS INDUSTRIES International and Pan-	C. Bannockł	ourn, Illinois, A	ll rights reserved utions.	under both	This docume level parts, t	ent is a declarati he declaration e	on of the su	bstances v s all lower	vithin the manufactule level materials for v	urer listed which the	item. Note manufactu	e: if the item is an a rrer has engineering	ssembly with low responsibility.	
				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials					rials and N	ls and Mfg Information			
upplier Information														
Company name* Compa			mpany unique ID			Unique ID Authority				Respor	Response Date*			
nsemi										2023-0	2023-06-08			
Contact Name	tact Name Title - Contact					Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards Product Enviro Cor			Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Representative			entative	ative F		Phone - Representative*			Email ·	Email - Representative*				
Product-Env-Stewards Product F			duct Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number	Imber Mfr Item Numb		Number Mfr Item Name			Effective Date	te Version Manufacturing Site			Weight*	UOM	Unit Type		
	NB3N23	3N2304NZDTR2G LOW SKEW 1:4 CLK		CLK BUFFER		2023-06-08	6-08 PH1		H1	22.7		mg	Each	
Ianufacturing Proccess Information	ion					·								
Terminal Plating / Grid Array Mat	erial T	ial Terminal Base Alloy J-		J-STD-020 MSI	Rating	Peak Process Body Tempera		emperature	ure Max Time at Peak Tempera		ture Nu	mber of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy			3		260		С	30	seco	nds 3				
omments														
FTENTION: MSL 3 Rated item requires	Bake and D	Dry Pack (after	electrical test)											
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), 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 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.

	cable [E] enter the weigh			ance category (JIG or Requester) or enter [F] Optionally enter the positive (+) ar				
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	1.0	mg	Supplier	Silicon (Si)	7440-21-3		1	mg
Die Attach	0.66	mg	Supplier	Silver (Ag)	7440-22-4		0.495	mg
			Supplier	Epoxy resins	129915-35-1		0.165	mg
Lead Frame	10.38	mg	Supplier	Iron (Fe)	7439-89-6		0.1972	mg
			Supplier	Copper (Cu)	7440-50-8		10.1828	mg
Mold Compound-Black	9.5	mg		Epoxy Phenol Resin	proprietary data		0.9975	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		8.5025	mg
Plating	1.06	mg	Supplier	Tin (Sn)	7440-31-5		1.06	mg
Wire Bond - Au	0.1	mg	Supplier	Gold (Au)	7440-57-5		0.1	mg