ABSOCIATION CONNECTING ELECTRANICS INDUSTRIESS INDUSTRIESS INDUSTRIESS	iockburn, Illinois, A	Il rights reserved un ntions.	Ider both lev	nis docume vel parts, th	ent is a declaration he declaration en	n of the substanc compasses all lov	es within the manufactur wer level materials for w	er listed i hich the n	tem. Note: if nanufacturer	the item is an as has engineering	sembly with lower responsibility.	
			Form Type * Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information								
Supplier Information												
Company name* Company unique ID				Unique ID Authority			Response Date*					
nsemi									2023-06-08			
Contact Name	Title - Contact			I	Phone - Contact*			Email - Contact*				
Product-Env-Stewards	ewards Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Representative				Phone - Representative*			Email - Representative*					
Product-Env-Stewards Product Enviro Com			o Compliance		NA			Product-Env-Stewards@onsemi.com				
Requester Item Number Mfr	Item Number	Mfr Item Name			Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
NL	V14541BDG PROGRAMMABLE		LE OSCILLATOR	R-T	2023-06-08		PH1	:	122.04	mg	Each	
Manufacturing Proccess Information												
Terminal Plating / Grid Array Material	Terminal Base Alloy J-STD-02		STD-020 MSL R	lating	Peak Process Body Temperature Max Time at		ture Max Time at Peak	k Temperature Number of Reflow Cycles		eles		
Matte Tin (Sn) - annealed CU Alloy 1					260	С	30	secon	ids 3			
Comments												
evel 1 - maximum time at peak temperature durin	ng soldering is 10-3	0 seconds										
For more information regarding material composition	ition 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.

select a RoHS exemption, if appli	cable [E] enter the weigh			ance category (JIG or Requester) or enter a [F] Optionally enter the positive (+) and n				
sigma range of distribution unless Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.98	mg	Supplier	Silicon (Si)	7440-21-3		0.98	mg
Die Attach	4.44	mg	Supplier	Silver (Ag)	7440-22-4		3.33	mg
			Supplier	Epoxy resins	129915-35-1		1.11	mg
Lead Frame	69.62	mg	Supplier	Silver (Ag)	7440-22-4		0.7658	mg
			Supplier	Zinc (Zn)	7440-66-6		0.1392	mg
			Supplier	Iron (Fe)	7439-89-6		1.8101	mg
			Supplier	Copper (Cu)	7440-50-8		66.9048	mg
Mold Compound-Black	43.43	mg		Epoxy resin	proprietary data		2.1715	mg
			Supplier	Phenolic Resin	Proprietary Data		2.1715	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.8686	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2172	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		38.0013	mg
Plating	3.27	mg	Supplier	Tin (Sn)	7440-31-5		3.27	mg
Wire Bond - Cu	0.3	mg	Supplier	Copper (Cu)	7440-50-8		0.3	mg