ASSOCIATION CONNECTING ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Pan-American c	burn, Illinois. All rights reserved	under both This doc	ument is a declaratio ts, the declaration en	n of the substance compasses all lov	es within the manufactur ver level materials for wh	er listed item. Note: if hich the manufacturer l	the item is an as has engineering	sembly with lower responsibility.		
IPC Web Site for Information on http://www.ipc.org/IPC-175x	I.1 IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x Form Type Distribute			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information						
Supplier Information										
Company name*	pany name* Company unique ID		Unique ID Authority			Response Date*				
onsemi	ni					2023-06-08				
Contact Name	Title - Contact		Phone - Contact	Phone - Contact*			Email - Contact*			
Product-Env-Stewards	Product Enviro Compliance		NA			Product-Env-Stewards@onsemi.com				
uthorized Representative* Title - Representative			Phone - Representative*			Email - Representative*				
Product-Env-Stewards Product Enviro Comp		Compliance		NA			Product-Env-Stewards@onsemi.com			
Requester Item Number Mfr Iten	n Number Mfr Item Name	Mfr Item Name		Version	Manufacturing Site	Weight*	UOM	Unit Type		
N25S81	8HAS21I GENERAL SAL	LES (ULP)	2023-06-08	23-06-08 TH6		81.78	mg	Each		
Manufacturing Proccess Information			·		·					
Terminal Plating / Grid Array Material	Terminal Base Alloy	J-STD-020 MSL Rating	Peak Proces	Peak Process Body Temperature M		Temperature Numbe	er of Reflow Cy	cles		
Matte Tin (Sn) - annealed CU Alloy 3		3	260	С	30	seconds 3				
Comments										
ATTENTION: MSL 3 Rated item requires Bake and I	Dry Pack (after electrical test)									
For 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), 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 co 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.

sigma range of distribution unless otherwise noted).								
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	3.89	mg	Supplier	Silicon (Si)	7440-21-3		3.89	mg
Die Attach 1	1.25	mg	Supplier	Epoxized Condensate Of Para- Hydrobenzaldehyde And Alkyl Phenol	129915-35-1		0.2875	mg
			Supplier	Silver (Ag)	7440-22-4		0.9625	mg
Lead Frame	29.12	mg	Supplier	Zinc (Zn)	7440-66-6		0.0291	mg
			Supplier	Iron (Fe)	7439-89-6		0.6698	mg
			Supplier	Copper (Cu)	7440-50-8		28.392	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0291	mg
Mold Compound-Black	46.29	mg		Epoxy resin	proprietary data		2.3145	mg
			Supplier	Phenolic Resin	Proprietary Data		2.3145	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.9258	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2315	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		40.5037	mg
Plating	0.96	mg	Supplier	Tin (Sn)	7440-31-5		0.96	mg
Wire Bond - Au	0.27	mg	Supplier	Gold (Au)	7440-57-5		0.27	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).