ASSOCIATION CONNECTING ASSOCIATION CONNECTING ELECTRONICS (NOUSTRIES®) international and Pan-American	burn, Illinois, All	l rights reserved u ions.	nder both	This docume level parts, t	ent is a declaration	ion of the su	ubstances s all lowe	within the manufa r level materials fo	cturer listed r which the	l item. Note manufactu	e: if the item is an a rrer has engineering	ssembly with lowe responsibility.	
IPC Web Site for Information on http://www.ipc.org/IPC-175x	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 Materia					als and Mfg Information			
Supplier Information													
Company name* Company unique ID			Unique ID Authority					Response Date*					
semi										2023-06-06			
Contact Name	ame Title - Contact			1	Phone - Contact*				Email	Email - Contact*			
oduct-Env-Stewards Product Enviro Compliance				NA				Prod	Product-Env-Stewards@onsemi.com				
uthorized Representative* Title - Representative				Phone - Representative*				Email	Email - Representative*				
Product-Env-Stewards Product Enviro Complia			mpliance		NA			Prod	Product-Env-Stewards@onsemi.com				
Requester Item Number Mfr Ite	n Number	Mfr Item Name			Effective Date	Version	1	Manufacturing Site		Weight*	UOM	Unit Type	
6N139	9SDVM 8PW HI-GAIN DA		ARL T&R VDE	&R VDE 20			I	LITEONFG		497.66	mg	Each	
Manufacturing Proccess Information													
Terminal Plating / Grid Array Material	Terminal Base Alloy J-S		-STD-020 MSL	Rating	Peak Process Body Temp		emperatu	ature Max Time at Peak T		rature Nu	mber of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy		1	1		260		С	30	sec	onds 3			
omments													
vel 1 - maximum time at peak temperature during s	oldering is 10-30	seconds											
or more information regarding material composition	0												

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), Dibutyl 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	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
Coupling Gel	0.45	mg	Supplier	Dimethyl Cyclosiloxanes	69430-24-6		0.045	mg
			Supplier	Trimethoxy(methyl)silane (C4H12O3Si)	1185-55-3		0.405	mg
Die	4.011	mg	В	Gallium Arsenide (AsGa)	1303-00-0		0.281	mg
			Supplier	Silicon (Si)	7440-21-3		3.73	mg
Die Attach	0.251	mg	Supplier	Silver (Ag)	7440-22-4		0.188	mg
			Supplier	Phenolic Resin-2	54208-63-8		0.063	mg
Lead Frame	112.468	mg	Supplier	Silver (Ag)	7440-22-4		0.709	mg
			Supplier	Zinc (Zn)	7440-66-6		0.135	mg
			Supplier	Iron (Fe)	7439-89-6		2.59	mg
			Supplier	Copper (Cu)	7440-50-8		109	mg
			Supplier	Phosphorus (P)	7723-14-0		0.034	mg
Mold Compound-Black	375.6	mg	Supplier	2,6-dibromo-4-[1-(3-bromo-4- hydroxyphenyl)-1-methylethyl]phenol	6386-73-8		15	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		86.3001	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		11.3	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		262.9999	mg
Plating	2.88	mg	Supplier	Tin (Sn)	7440-31-5		2.88	mg
Wire Bond - Au	2.0	mg	Supplier	Gold (Au)	7440-57-5		2	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).