ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® MOUSTRIES	burn. Illinois. A	ll rights reserved untions.	under both	This docume level parts, t	ent is a declara he declaration	tion of the s encompasse	ubstances s all lowe	within the manu r level materials	facturer liste for which th	d item. No e manufact	ote: if the turer has	item is an asse engineering res	nbly with lower ponsibility.	
IPC Web Site for Information or http://www.ipc.org/IPC-175x	IPC Web Site for Information on IPC-1752 Standard         Form Typ           http://www.ipc.org/IPC-175x         Distribute				<ul> <li>Declaration Class *</li> <li>Class 6 - RoHS Yes/No, Homogeneous Materials and</li> </ul>					and Mfg Information				
Supplier Information														
Company name* Company unique ID				Unique ID Authority					Resp	Response Date*				
semi										2023-06-08				
Contact Name	Title - Contact				Phone - Contact*				Emai	Email - Contact*				
Product-Env-Stewards	duct-Env-Stewards Product Enviro Compliance			NA					Prod	Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Representative					Phone - Representative*				Emai	Email - Representative*				
Product-Env-Stewards Product Enviro Compliance				NA					Prod	Product-Env-Stewards@onsemi.com				
Requester Item Number Mfr Ite	n Number	Mfr Item Name			Effective Dat	e Version	]	Manufacturing Site		Weight*	*	UOM	Unit Type	
NLVV G	HC1GT08DFT1 LOG GATE LEVEL		'EL SHIFTER		2023-06-08	-06-08 CN1		CN1		6.2		mg	Each	
Manufacturing Proccess Information														
Terminal Plating / Grid Array Material	Terminal Base Alloy J-S		J-STD-020 MSL	Rating	Peak Process Body		ody Temperature Max Time at Peak		Peak Tempe	Temperature Number of Reflow Cycles		3		
Matte Tin (Sn) - annealed CU Alloy 1		1		260		С	30	sec	conds 3					
Comments														
evel 1 - maximum time at peak temperature during s	oldering is 10-3	0 seconds												
For more information regarding material compositio	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.

Homogeneous Material Weight		Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.19	mg	Supplier	Silicon (Si)	7440-21-3		0.19	mg
Lead Frame	2.04	mg	В	Nickel (Ni)	7440-02-0		0.7813	mg
			Supplier	Iron (Fe)	7439-89-6		1.0792	mg
			Supplier	Copper (Cu)	7440-50-8		0.1795	mg
Mold Compound-Black 3	3.9	mg	Supplier	Boron zinc hydroxide oxide	138265-88-0		0.117	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		0.0195	mg
			Supplier	2,4,6-triamino-1,3,5-triazine isocyanuric acid	37640-57-6		0.117	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		3.12	mg
			Supplier	Carbon Black (C)	1333-86-4		0.039	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.312	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.1755	mg
Plating	0.05	mg	Supplier	Tin (Sn)	7440-31-5		0.05	mg
Wire Bond - Au	0.02	mg	Supplier	Gold (Au)	7440-57-5		0.02	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 signa range of distribution unless otherwise noted).