ASSOCIATION CONNECTING ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® international and Par	PC. Bannockl	burn, Illinois, A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declaration entities the declaration entities and the declaration entities and the declaration entities and the declaration entities are an entities and the declaration entities are an entities and the declaration entities are an entites are an	on of the su compasses	bstances v all lower	vithin the manufactu level materials for v	rer listed which the 1	item. Note: nanufacture	if the item is an as er has engineering	sembly with low responsibility.	
	21.1 IPC Web Site for Information on IPC-1752 Standard Fo http://www.ipc.org/IPC-175x Dis				e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Material				ials and N	als and Mfg Information				
upplier Information														
Company name* Compan			mpany unique ID			Unique ID Authority				Respon	Response Date*			
nsemi							2			2023-00	2023-06-08			
tact Name Title - Contact				Phone - Contact*				Email - Contact*						
Product-Env-Stewards Product Enviro			viro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Represent			entative		Phone - Representative*			Email - Representative*						
Product-Env-Stewards Product Env			t Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective Date	Version	М	Manufacturing Site		Weight*	UOM	Unit Type	
	NCL301	CL30186BDR2G LED lighting con		ntroller		2023-06-08		PI	PH1		71.76	mg	Each	
Ianufacturing Proccess Informa	tion													
Terminal Plating / Grid Array Ma	aterial 7	Ferminal Base	Alloy J-STD-020 MSL R		L Rating	Peak Proce	cess Body Temperature		e Max Time at Peak	Max Time at Peak Tempera		ber of Reflow Cyc	eles	
Matte Tin (Sn) - annealed CU Alle		CU Alloy	1			260	С		30	seco	nds 3			
omments														
vel 1 - maximum time at peak temperatu	ire during so	ldering is 10-3	0 seconds											
or 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), 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	1.03	mg	Supplier	Silicon (Si)	7440-21-3		1.03	mg
Die Attach	0.09	mg	Supplier	Organic peroxide	3006-86-8		0.0007	mg
			Supplier	Diluent B	Proprietary Data		0.0045	mg
			Supplier	Diluent A	Proprietary Data		0.0036	mg
			Supplier	Dicyandiamine	461-58-5		0.0002	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.072	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.009	mg
Lead Frame	37.62	mg	Supplier	Silver (Ag)	7440-22-4		0.2257	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0451	mg
			Supplier	Iron (Fe)	7439-89-6		0.8841	mg
			Supplier	Copper (Cu)	7440-50-8		36.4538	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0113	mg
Mold Compound-Black	31.03	mg		Epoxy resin	proprietary data		1.5515	mg
			Supplier	Phenolic Resin	Proprietary Data		0.6206	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.7758	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1551	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		27.927	mg
lating	1.89	mg	Supplier	Tin (Sn)	7440-31-5		1.89	mg
Wire Bond	0.1	mg	Supplier	Palladium (Pd)	7440-05-3		0.0021	mg
			Supplier	Gold (Au)	7440-57-5		0.0003	mg
			Supplier	Copper (Cu)	7440-50-8		0.0976	mg