ASSOCIATION CO	© Copyright 2005. IPC, IDUSTRIES® international and Pan-Art	Bannockb	urn. Illinois. A	Il rights reserved untions.	under both	This docum level parts, t	ent is a declar he declaration	ation of th n encompa	he substance asses all low	s within the ma er level materia	nufacturer als for whic	listed item.	Note: if the second sec	he item is an as as engineering	sembly with lower responsibility.
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				Form Type * Distribute	*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Infor						formatior	1	
Supplier Ir	nformation														
Company nar	me*	Company unique ID			Unique ID Authority					Response Date*					
onsemi											2023-06-08				
Contact Nam	e	Title - Contact			Phone - Contact*				I	Email - Contact*					
Product-Env	-Stewards	Product Enviro Compliance			NA				1	Product-Env-Stewards@onsemi.com					
Authorized R	Representative*	Title - Representative			Phone - Representative*				I	Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance			NA				1	Product-Env-Stewards@onsemi.com				
R	equester Item Number	n Number Mfr Item Name				Effective Date Version Manufacturing Si		g Site	Weight*		UOM	Unit Type			
	NCL30388B1D		88B1DR2G	G PFC Quasi-Resonant Primary Side Current- Mode Controller for LED Lighting with thermal foldback			2023-06-08			PH1		80.96		mg	Each
Manufactu	iring Proccess Information	1												·	
Te	Terminal Plating / Grid Array Material Termin			erminal Base Alloy J-STD-020 MSL Rating			Peak Process Body Temperature Max Time at Peak					Temperature Number of Reflow Cycles			
Matte Tin (Sn) - annealed CU Alloy				1		260		С	30		seconds	3			
Comments															
evel 1 - maxi	mum time at peak temperature o	luring sol	dering is 10-3	0 seconds											
'or more info	ormation regarding material com	position ]	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU												
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	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	3.09	mg	Supplier	Silicon (Si)	7440-21-3		3.09	mg
Die Attach	0.28	mg		Epoxy resin	proprietary data		0.028	mg
			Supplier	Ethylene dimethacrylate	97-90-5		0.014	mg
			Supplier	Silver (Ag)	7440-22-4		0.224	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.014	mg
Lead Frame	27.82	mg	Supplier	Silver (Ag)	7440-22-4		0.1669	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0334	mg
			Supplier	Iron (Fe)	7439-89-6		0.6538	mg
			Supplier	Copper (Cu)	7440-50-8		26.9576	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0083	mg
Mold Compound-Black	48.72	mg		Epoxy resin	proprietary data		2.436	mg
			Supplier	Phenolic Resin	Proprietary Data		0.9744	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		1.218	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2436	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		43.848	mg
Plating	0.94	mg	Supplier	Tin (Sn)	7440-31-5		0.94	mg
Wire Bond - Au	0.11	mg	Supplier	Gold (Au)	7440-57-5		0.11	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).