C	<b>Material Composit</b> Copyright 2005. IPC, Enternational and Pan-Am	Bannockbi	urn, Illinois. A	ll rights reserved utions.	under both le	This docume evel parts, th	ent is a decl he declarati	aration on enc	n of the subs compasses a	stances v ll lower	vithin the level mat	manufactur erials for wl	er listed ite hich the m	em. Not anufacti	te: if the urer has	item is an ass engineering 1	sembly with lower responsibility.
					Form Type * Distribute						ous Materia	erials and Mfg Information					
Supplier Information	on																
Company name*			Company unique ID			Unique ID Authority						Response Date*					
onsemi										2024-05-11							
Contact Name			Title - Contact			1	Phone - Contact*					Email - Contact*					
Product-Env-Stewards			Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com					
Authorized Representative*			Title - Representative			Phone - Representative*					Email - Representative*						
Product-Env-Stewards			Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com						
Requester Ite	Requester Item Number Mfr Iten		n Number Mfr Item Name				Effective I	ve Date Version Manufacturing Site		ing Site	V	Veight*	:	UOM	Unit Type		
	NCP4318AHDI			OR2G Advanced Synchronous Rectifier Controller for LLC Resonant Converter			2024-05-1	1	PH1		77.46			mg	Each		
Manufacturing Pro	occess Information																
Terminal Plati	Terminal Plating / Grid Array Material		erminal Base Alloy J-S'		J-STD-020 MSL	D-020 MSL Rating		Peak Process Body Temperature		re Max Time at Peak Temper		Temperatu	erature Number of Reflow Cycles		les		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		) (no C	CU Alloy 1		1		260		С		30		seconds 3				
Comments									<u> </u>		<u> </u>						
evel 1 - maximum time	at peak temperature d	uring sole	dering is 10-3	0 seconds													
For more information re	egarding material com	position p	olease 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 y 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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	2.65	mg	Supplier	Silicon (Si)	7440-21-3		2.65	mg
Die Attach Epoxy	0.21	mg	Supplier	Silver (Ag)	7440-22-4		0.1785	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.0315	mg
Lead Frame	27.35	mg	Supplier	Zinc (Zn)	7440-66-6		0.0274	mg
			Supplier	Iron (Fe)	7439-89-6		0.6291	mg
			Supplier	Copper (Cu)	7440-50-8		26.6663	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0274	mg
Mold Compound-Black	46.76	mg		Epoxy resin	proprietary data		3.507	mg
			Supplier	Phenolic Resin	Proprietary Data		1.169	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		3.507	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2338	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		38.3432	mg
Plating	0.34	mg	Supplier	Palladium (Pd)	7440-05-3		0.0211	mg
			В	Nickel (Ni)	7440-02-0		0.3152	mg
			Supplier	Gold (Au)	7440-57-5		0.0036	mg
Wire Bond - Au	0.15	mg	Supplier	Gold (Au)	7440-57-5		0.15	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).