ASSOCIATION C	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.		der both This docur level parts.	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
752-21.1		IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				* Declaration Class * Class 6 - RoHS Yes/No. Homogeneous Materi					ials and Mfg Information			
Supplier I	Information													
Company name*			Company unique ID			Unique ID Authority				Response Date*				
nsemi										2024-05-12				
Contact Nan	me		Title - Contact			Phone - Contact*				Email - Contact*				
Product-En	v-Stewards		Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
uthorized l	Representative*		Title - Representative			Phone - Representative*			Email - Representative*					
Product-En	v-Stewards		Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
F	Requester Item Number Mfr		Item Number Mfr Item Name			Effective D	ate Versi	ion	Manufacturing Site		/eight*	UOM	Unit Type	
		NCP4318ALGPDR2G Advanced Synchronou for LLC Resonant Co		nous Rectifier Controller Converter	2024-05-12			PH1		9.4261	mg	Each		
Ianufact	uring Proccess Inform	ation												
To	Terminal Plating / Grid Array Material Terminal Base			ninal Base Alloy J-STD-020 MSL Rating			Peak Process Body Temperature Max Time at Peak				re Numb	er of Reflow Cyc	les	
Matte Tin (Sn) - annealed		CU Alloy 1			260	C		30	second	s 3				
omments														
vel 1 - max	ximum time at peak tempera	ture during sol	dering is 10-3	0 seconds										
or more inf	formation regarding materia	al composition	please refer to	page 3										

RoHS Material Composition Declaration			Declaration Type *	Detail	ed					
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 (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).										
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier have provided as part of that agreement, will be the sole and exclusivesource of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such										
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	Accepted					
Exemption: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.										
Exemption List Version	EL-2011/534/EU									
Declaration Signature										
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	the declaration (if required by the					

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.

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).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	1.8396	mg	Supplier	Silicon (Si)	7440-21-3		1.8396	mg
Die Attach	0.1651	mg		Epoxy resin	proprietary data		0.0215	mg
			Supplier	Silver (Ag)	7440-22-4		0.0578	mg
			Supplier	Acrylic resins	Proprietary Data		0.0281	mg
			Supplier	Aluminum (Al)	7429-90-5		0.0578	mg
Lead Frame	30.24	mg	Supplier	Zinc (Zn)	7440-66-6		0.0363	mg
			Supplier	Iron (Fe)	7439-89-6		0.7106	mg
			Supplier	Copper (Cu)	7440-50-8		29.484	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0091	mg
Mold Compound-Black	14.7432	mg	Supplier	4,4'-Bis(2,3-epoxypropoxy)-3,3',5,5'-tetramethylbiphenyl	85954-11-6		0.6634	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0737	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		13.5637	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.4423	mg
Plating	2.244	mg	Supplier	Palladium (Pd)	7440-05-3		0.0539	mg
			В	Nickel (Ni)	7440-02-0		1.9747	mg
			Supplier	Gold (Au)	7440-57-5		0.2154	mg
Wire Bond - Au	0.1942	mg	Supplier	Gold (Au)	7440-57-5		0.1942	mg