IPC ASSOCIATION CONN	© Copyright 2005. I	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			der both This docum 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 Typ http://www.ipc.org/IPC-175x Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ials and Mfg Information			
upplier Info	formation												
Company name*			Company unique ID			Unique ID Authority				Response Date*			
nsemi										2024-04-17			
Contact Name			Title - Contact			Phone - Contact*				Email - Contact*			
Product-Env-S	Stewards		Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
uthorized Rep	presentative*		Title - Representative			Phone - Representative*			Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Req	uester Item Number	Mfr Item	Number	Mfr Item Name		Effective Da	ite Vers	ion	Manufacturing Site		eight*	UOM	Unit Type
		NCP4318ALFPDR2G Advanced Synchro for LLC Resonant		nous Rectifier Controller Converter	2024-04-17	PH1		7	7.422	mg	Each		
Ianufacturi	ing Proccess Informa	tion											
Terminal Plating / Grid Array Material Terminal Base Alloy			Alloy J-	D-020 MSL Rating Peak Process Body Temperature Max Time at Pea					Temperatu	re Numb	er of Reflow Cyc	les	
Matte Tin (Sn) - annealed		C	CU Alloy 1			260	C		30	second	s 3		
omments													
vel 1 - maximi	um time at peak temperatu	ire during sol	dering is 10-3	0 seconds									
or more infori	mation regarding material	composition 1	please refer to	page 3	-		•			•	•		

RoHS Material Composition Declaration			Declaration Type *	Detail	led					
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).										
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 enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.										
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substa	ances per the definition above	Supplier Ac	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										
Instructional Complete all of the required	fields on all neggs of this form. Calcut th		a duan dawn. This will display the signature on	a Digitally sign	the declaration (if recruired by the					
Instructions: Complete all of the required Requester) and click on Submit Form to			e drop-down. This will display the signature ar	ea. Digitally sign	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		Supplier	Silver (Ag)	7440-22-4		1.5513	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0544	mg
			Supplier	Iron (Fe)	7439-89-6		0.7439	mg
			Supplier	Copper (Cu)	7440-50-8		27.848	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0423	mg
Mold Compound-Black	42.7027		Supplier	4,4'-Bis(2,3-epoxypropoxy)-3,3',5,5'-tetramethylbiphenyl	85954-11-6		1.9216	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2135	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		39.2865	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		1.2811	mg
Plating	2.2804	mg	Supplier	Tin (Sn)	7440-31-5		2.2804	mg
Wire Bond - Au	0.1942	mg	Supplier	Gold (Au)	7440-57-5		0.1942	mg