IPC ASSOCIATION CONI	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.		der both This document 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			
upplier Inf	formation													
Company name*			Company ur	Company unique ID			Unique ID Authority				Response Date*			
nsemi										2023-06-08				
Contact Name	:		Title - Contact			Phone - Contact*				Email - Contact*				
Product-Env-S	Stewards		Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
uthorized Re	epresentative*		Title - Representative			Phone - Representative*			Email - Representative*					
Product-Env-S	Stewards		Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Rec	Requester Item Number M		Afr Item Number Mfr Item Name			Effective Da	ate Ver	rsion	Manufacturing Site	V	/eight*	UOM	Unit Type	
		NCP1616A2DR2G High Voltage High Correction Controlle		Efficiency Power Factor ler	2023-06-08	PH1		7	5.13	mg	Each			
Ianufactur	ring Proccess Informa	ntion												
Terminal Plating / Grid Array Material Terminal Base Alloy			Alloy J-	STD-020 MSL Rating	MSL Rating Peak Process Body Temperature Max Time at Pea				Temperatu	re Numb	er of Reflow Cyc	eles		
Matte Tin (Sn) - annealed CU Alloy			1		260		C	30	second	s 3				
omments														
vel 1 - maxim	num time at peak temperat	ure during sol	dering is 10-3	30 seconds										
or more infor	rmation regarding material	l composition	please refer t	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 (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 correction 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 uppliers have 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 Itaalian applicable to such part shall apply.										
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	2.62	mg	Supplier	Silicon (Si)	7440-21-3		2.62	mg
Die Attach Epoxy	0.39	mg		Epoxy resin	proprietary data		0.117	mg
			Supplier	Diethylene glycol monoethyl ether acetate	112-15-2		0.1365	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.1365	mg
Lead Frame	21.32	mg	Supplier	Silver (Ag)	7440-22-4		0.3624	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0256	mg
			Supplier	Iron (Fe)	7439-89-6		0.501	mg
			Supplier	Copper (Cu)	7440-50-8		20.4246	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0064	mg
Mold Compound-Black	50.28	mg		Epoxy resin	proprietary data		2.514	mg
			Supplier	Phenolic Resin	Proprietary Data		1.0056	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		1.257	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2514	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		45.252	mg
Plating	1.37	mg	Supplier	Tin (Sn)	7440-31-5		1.37	mg
Wire Bond - Au	0.15	mg	Supplier	Gold (Au)	7440-57-5		0.15	mg