ASSOCIATION CONNECTING LECTRONICS INDUSTRIES® Material Composition © Copyright 2005. IPC, Bann international and Pan-America	ockburn, Illinois. A	ll rights reserved u	Inder both This do	arts, the	is a declarati declaration e	on of the su	bstances all lowe	within the manufactur r level materials for w	rer listed i hich the n	tem. Note: i nanufacture	if the item is an as r has engineering	sembly with lower responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form T http://www.ipc.org/IPC-175x Distribution			* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				als and Mfg Information					
Supplier Information													
Company name* Company unique ID				Unique ID Authority					Response Date*				
nsemi								2024-04-23					
Contact Name	act Name Title - Contact			Pho	Phone - Contact*				Email - Contact*				
duct-Env-Stewards Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
uthorized Representative* Title - Representative				Phone - Representative*				Email - Representative*					
Product-Env-Stewards Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
Requester Item Number Mfr	tem Number	Imber Mfr Item Name		Ef	ffective Date	Version	1	Manufacturing Site		Weight*	UOM	Unit Type	
NCP	4318ALGPDR2G	B18ALGPDR2G Advanced Synchro for LLC Resonant		ller 20	)24-04-23	23 PH1		PH1		49.4261	mg	Each	
Manufacturing Proccess Information													
Terminal Plating / Grid Array Material	ing / Grid Array Material Terminal Base Alloy .		J-STD-020 MSL Rating	5	Peak Proc	ess Body Te	mperatu	re Max Time at Peak	Tempera	ture Numl	ber of Reflow Cyc	cles	
Matte Tin (Sn) - annealed CU Alloy 1			1		260		С	30	secon	nds 3			
Comments													
level 1 - maximum time at peak temperature during	g soldering is 10-3	0 seconds											
For more information regarding material composit	ion please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed					
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), Disobutyl phthalate (DIBP).									
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	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

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).