ASSOCIATION CONNECTING ELECTRONICS (NDUSTRIES) international and F	IPC, Bannockl	burn, Illinois. A	ll rights reserved untions.	Inder both This d	locumen parts, the	nt is a declaration e declaration er	on of the sub compasses	ostances all lower	within the manufactur r level materials for w	er listed i hich the r	tem. Note: i nanufacture	if the item is an as r has engineering	sembly with lower responsibility.
					m Type * Declaration Class * tribute Class 6 - RoHS Yes/No, Homogeneous Mater				ials and Mfg Information				
Supplier Information													
Company name*	Company unique ID			U	Unique ID Authority					Response Date*			
onsemi									2024-05-11				
Contact Name	Title - Contact			P	Phone - Contact*				Email - Contact*				
Product-Env-Stewards	Product Enviro Compliance			N	NA				Product-Env-Stewards@onsemi.com				
Authorized Representative*	Title - Representative			P	Phone - Representative*			Email - Representative*					
Product-Env-Stewards	Product Enviro Compliance			N	NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	Requester Item Number Mfr Iter		n Number Mfr Item Name			Effective Date	te Version Manufacturing Site			Weight*	UOM	Unit Type	
	NCP431	CP4318ALFPDR2G Advanced Synchr for LLC Resonant		ronous Rectifier Contro t Converter	oller 2	2024-05-11 PH1		PH1		77.422	mg	Each	
Manufacturing Proccess Inform	ation												
Terminal Plating / Grid Array Material Terminal		Ferminal Base A	ase Alloy J-STD-020 MSL Rating		ıg	Peak Process Body Temperature Max Time		e Max Time at Peak	ak Temperature Number of Reflow Cycles			cles	
Matte Tin (Sn) - annealed CU Alloy		CU Alloy		1		260		С	30	secor	nds 3		
Comments													
level 1 - maximum time at peak tempera	ture during so	ldering is 10-3	0 seconds										
For more information regarding materi	al composition	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 othalate (BBP), Dibutyl phthalate (DBP), Diisobutyl 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 v 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 cc 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	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	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	mg	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