© Copyright 2	Composition De 2005. IPC, Bannockt nd Pan-American co	ourn, Illinois. A	Ill rights reserved untions.	under both	This docum level parts, t	ent is a declar the declaration	ation of the encompas	substances ses all low	s within the ma er level materia	nufacture ls for whi	r listed iter ich the mar	m. Note: nufacture	if the item is an as r has engineering	sembly with lower responsibility.	
				Form Type Distribute						s Material	ials and Mfg Information				
Supplier Information															
Company name*	Company unique ID			Unique ID Authority					Response Date*						
onsemi											2023-06-12				
Contact Name Ti			Title - Contact			Phone - Contact*					Email - Contact*				
Product-Env-Stewards	Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com						
Authorized Representative* Title			Fitle - Representative			Phone - Representative*				1	Email - Representative*				
Product-Env-Stewards	Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com						
Requester Item Number	Requester Item Number Mfr Iten		Number Mfr Item Name			Effective Da	te Versio	on	Manufacturing Site		W	eight*	UOM	Unit Type	
	NCP432	NCP432BVSNT1G Programmable		recision References		2023-06-12			MY1		8.1	135	mg	Each	
Manufacturing Proccess Info	ormation												·		
Terminal Plating / Grid Array Material Terminal Bas			Alloy	J-STD-020 MS	L Rating	Peak Pr	ocess Body	Temperatu	ire Max Time	at Peak T	Temperatur	e Num	ber of Reflow Cyc	eles	
Matte Tin (Sn) - annealed CU Alloy				1		260		С	30		seconds	3			
Comments															
level 1 - maximum time at peak tem	perature during sol	Idering is 10-3	0 seconds												
For more information regarding ma	terial 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 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 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	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	0.16	mg	Supplier	Silicon (Si)	7440-21-3		0.16	mg
Die Attach Epoxy	0.18	mg		Epoxy resin	proprietary data		0.054	mg
			Supplier	Diethylene glycol monoethyl ether acetate	112-15-2		0.063	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.063	mg
Lead Frame	2.75	mg	Supplier	Silver (Ag)	7440-22-4		0.0589	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0036	mg
			Supplier	Iron (Fe)	7439-89-6		0.066	mg
			Supplier	Copper (Cu)	7440-50-8		2.6194	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0022	mg
Mold Compound-Black	4.9	mg		Epoxy resin	proprietary data		0.245	mg
			Supplier	Phenolic Resin	Proprietary Data		0.245	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.098	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0245	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		4.2875	mg
Plating	0.14	mg	Supplier	Tin (Sn)	7440-31-5		0.14	mg
Wire Bond	0.005	mg	Supplier	Palladium (Pd)	7440-05-3		0.0002	mg
			Supplier	Copper (Cu)	7440-50-8		0.0048	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).