ASSOCIATION CONNECTING	Material Composit © Copyright 2005. IPC, J international and Pan-An	Bannockb	urn, Illinois. A	ll rights reserved untions.	under both	This docume level parts, t	ent is a decla he declaratio	ration of on encom	the substances passes all lowe	within tl r level m	ne manufactu aterials for w	rer listed it which the m	em. No anufac	ote: if the cturer has	e item is an as s engineering	sembly with lower responsibility.	
1752-21.1	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 Mater					als and Mfg Information						
Supplier Informa	ation																
Company name*			Company unique ID				Unique ID Authority					Respons	Response Date*				
onsemi										2023-06-	2023-06-08						
Contact Name			Title - Contact				Phone - Contact*					Email -	Email - Contact*				
Product-Env-Stewards			Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com					
Authorized Representative*			Title - Representative			Phone - Representative*				Email - Representative*							
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com						
Requester	Requester Item Number Mfr Iten		Number Mfr Item Name				Effective Date Version		Manufacturing Site		V	Veight	*	UOM	Unit Type		
	NCP163ASN		ASN500T1G	TIG LDO 250 mA AD 5.0V, Ultra-Low Noise and High PSRR in SOT-23 5L			2023-06-08	3		тнв		1	5.62		mg	Each	
Manufacturing P	Proccess Information	L															
Terminal P	Terminal Plating / Grid Array Material		erminal Base A	nal Base Alloy J-STD-020		Rating	Peak P	Process Body Temperature		are Max Time at Peak Tempe		Temperati	nperature Number of Reflow Cycl		les		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			U Alloy 1		1		260		С		<b>30</b> se		seconds 3				
Comments																	
evel 1 - maximum tin	ne at peak temperature d	uring sol	dering is 10-3	0 seconds													
for more information	n regarding material com	position <sub>l</sub>	please refer to	page 3													

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	J amending RoHS 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).											
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 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	0.8	mg	Supplier	Silicon (Si)	7440-21-3	F ·	0.8	mg
Die Attach	0.1	mg	Supplier	Silver (Ag)	7440-22-4		0.085	mg
		-	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.015	mg
Lead Frame	8.68	mg	Supplier	Zinc (Zn)	7440-66-6		0.0104	mg
			Supplier	Iron (Fe)	7439-89-6		0.2083	mg
			Supplier	Copper (Cu)	7440-50-8		8.4543	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0069	mg
Mold Compound-Black	5.93	mg		Epoxy resin	proprietary data		0.2965	mg
			Supplier	Phenolic Resin	Proprietary Data		0.2965	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.1186	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0296	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		5.1887	mg
Plating	0.06	mg	Supplier	Palladium (Pd)	7440-05-3		0.0046	mg
			В	Nickel (Ni)	7440-02-0		0.0546	mg
			Supplier	Gold (Au)	7440-57-5		0.0008	mg
Wire Bond	0.05	mg	Supplier	Palladium (Pd)	7440-05-3		0.0005	mg
			Supplier	Copper (Cu)	7440-50-8		0.0495	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).