	Material Composit © Copyright 2005. IPC, international and Pan-Art	Bannockb	urn, Illinois. A	ll rights reserved un tions.	nder both	This docum level parts, t	ent is a declaration	ion of the s encompasse	ubstances es all lowe	within the manufactu r level materials for w	rer listed i	tem. Note: if nanufacturer	f the item is an as has engineering	sembly with lower responsibility.	
	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 					als and Mfg Information				
Supplier Informat	tion														
Company name*			Company unique ID				Unique ID Authority					Response Date*			
onsemi											2024-05	2024-05-13			
Contact Name			Title - Contact				Phone - Contact*				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 I	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	e Version	N	Manufacturing Site		Weight*	UOM	Unit Type	
		1N4448WS Small S		Small Signal Diod	Small Signal Diode		2024-05-13		(CN2		4.58939	mg	Each	
Manufacturing Pr	roccess Information	1													
Terminal Plating / Grid Array Material Terminal Bas			erminal Base A	Alloy J-STD-020 MSL Rating			Peak Process Body Temperature Max Time at Peak			Temperature Number of Reflow Cycles					
Matte Tin (Sn) - annealed CU Alloy			1			260		C	30	secon	ds 3				
Comments															
evel 1 - maximum tim	e at peak temperature d	luring sol	dering is 10-3	0 seconds											
or more information	regarding material com	position j	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	11/65/EU (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), Dibutyl 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	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.

sigma range of distribution unless otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	0.03	mg	Supplier	Silicon (Si)	7440-21-3		0.0285	mg	
			Supplier	Gold (Au)	7440-57-5		0.0014	mg	
			Supplier	Aluminum (Al)	7429-90-5		0.0001	mg	
Lead Frame	1.004	mg	Supplier	Silver (Ag)	7440-22-4		0.0914	mg	
			В	Nickel (Ni)	7440-02-0		0.3695	mg	
			Supplier	Iron (Fe)	7439-89-6		0.507	mg	
			Supplier	Copper (Cu)	7440-50-8		0.0361	mg	
Mold Compound-Black	3.44999	mg		Metal Hydroxide	proprietary data		0.1207	mg	
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.276	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.0172	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		2.76	mg	
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.276	mg	
Plating	0.1	mg	Supplier	Tin (Sn)	7440-31-5		0.1	mg	
Wire Bond - Cu	0.0054	mg	Supplier	Copper (Cu)	7440-50-8		0.0054	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 signar range of distribution unless otherwise noted)