© Cop	erial Composition byright 2005. IPC, Ba ational and Pan-Ame	annockbu	rn, Illinois. A	ll rights reserved utions.	under both	This docum level parts, t	ent is a declar he declaratio	ation of the accompany	he substance asses all low	s within the m er level mater	nanufacture rials for wh	er listed ite hich the m	em. Note: anufacture	if the item is an a er has engineering	ssembly with lower responsibility.	
					Form Type Distribute	e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ous Materia	ials and Mfg Information				
Supplier Information																
Company name*			Company unique ID			Unique ID Authority					Response Date*					
onsemi												2025-06-02				
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 P			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com						
Requester Item Nu	uester Item Number Mfr Iten		n Number Mfr Item Name				Effective Date Version Manufacturing S		ng Site	v	Veight*	UOM	Unit Type			
	Ν	MMSZ4688T3G		ZEN SOD123 REG 0.5W 4.7V			2025-06-02	6-02 CN1			1	1.525	mg	Each		
Manufacturing Procces	ss Information							·				·				
Terminal Plating / Grid Array Material Termi		rminal Base A	al Base Alloy J-STD-020 MSL		L Rating	Peak Pr	Process Body Temperatu		ure Max Time at Peak Tempe		Temperatu	ire Num	ber of Reflow Cy	cles		
Matte Tin (Sn) - annealed CU Alle			U Alloy	1			260 C 30				seconds 3					
Comments																
level 1 - maximum time at pe	eak temperature du	ring sold	lering is 10-3	0 seconds												
For more information regard	ding material comp	osition p	lease 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 hthalate (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 contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
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	0.88	mg	Supplier	Silicon (Si)	7440-21-3		0.88	mg
Lead Frame	3.19	mg	В	Nickel (Ni)	7440-02-0		1.158	mg
			Supplier	Iron (Fe)	7439-89-6		1.6014	mg
			Supplier	Copper (Cu)	7440-50-8		0.4306	mg
Mold Compound-Black	6.51	mg	Supplier	Boron zinc hydroxide oxide	138265-88-0		0.1953	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		0.0325	mg
			Supplier	2,4,6-triamino-s-triazincompd.withs- triazine-triol	37640-57-6		0.1953	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		5.208	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0651	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.5208	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.2929	mg
Plating	0.8	mg	Supplier	Tin (Sn)	7440-31-5		0.8	mg
Wire Bond	0.145	mg	Supplier	Palladium (Pd)	7440-05-3		0.0019	mg
			Supplier	Copper (Cu)	7440-50-8		0.1431	mg