ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®	Material Composit © Copyright 2005. IPC, 1 international and Pan-An	Bannockb	urn, Illinois. A	ll rights reserved untions.	under both	This docum level parts,	ent is a declar the declaratio	ation of th	ne substance asses all low	s within the man er level materia	nufacture ls for whi	r listed ite ich the ma	m. Note: i nufacturer	f the item is an as r has engineering	sembly with lower responsibility.	
1752-21.1					Form Type Distribute	Form Type * Declaration Class * Distribute Class 6 - RoHS Yes/No, Homogeneous Mate					Material	rials and Mfg Information				
Supplier Informa	ation															
Company name*			Company unique ID			Unique ID Authority					Response Date*					
onsemi												2025-06-04				
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*				1	Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com					
Requester	Requester Item Number Mfr Iten		n Number Mfr Item Name				Effective Da	te Versi	ion	Manufacturing Site		W	eight*	UOM	Unit Type	
		MMSZ16T1G		ZEN SOD123 REG 0.5W 16V			2025-06-04 CN1			11	.525	mg	Each			
Manufacturing P	roccess Information	1		·												
Terminal Plating / Grid Array Material Term			minal Base Alloy J-STD-020 MSL		L Rating	Peak Pr	ak Process Body Temperatu		ure Max Time at Peak Temper		Femperatu	e Numb	per of Reflow Cyd	cles		
Matte Tin (Sn) - annealed CU A			U Alloy	1			260 C 30				seconds 3					
Comments																
level 1 - maximum tin	ne at peak temperature d	luring sol	dering is 10-3	0 seconds												
For more information	n regarding material com	position p	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 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	0.88	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