ASSOCIATION CONNECTING LECTRONICS INDUSTRIES® Material Composition © Copyright 2005. IPC, Banı international and Pan-Americ	ockburn, Illinois. A	All rights reserved u ntions.	under both	This docume level parts, t	ent is a declaration	ion of the su encompasse	ubstances s all lowe	within the manufactu r level materials for w	rer listed i which the r	item. Note: i nanufacture	f the item is an as r has engineering	sembly with lower responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute			* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materia					ials and N	als and Mfg Information			
Supplier Information													
Company name* Company unique ID			Unique I			ID Authority			Respon	Response Date*			
onsemi	ni								2024-04-20				
Contact Name	Title - Contact			1	Phone - Contact*				Email - Contact*				
Product-Env-Stewards	nv-Stewards Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
horized Representative* Title - Representative				Phone - Representative*				Email - Representative*					
Product-Env-Stewards Product Enviro Compliance					NA				Product-Env-Stewards@onsemi.com				
Requester Item Number Mfr	Item Number	Mfr Item Name			Effective Date	e Version	1	Manufacturing Site		Weight*	UOM	Unit Type	
MN	ASZ5239BT1G ZEN SOD123 RI		EG 0.5W 9.1V		2024-04-20		(CN1		11.525	mg	Each	
Manufacturing Proccess Information												· · · · · · · · · · · · · · · · · · ·	
Terminal Plating / Grid Array Material	Terminal Base Alloy		J-STD-020 MSL	Rating	Peak Pro	cess Body Temperature Max Time at Peak		Tempera	Temperature Number of Reflow Cycles		cles		
Matte Tin (Sn) - annealed CU Alloy 1			1		260		С	30	secor	nds 3			
Comments													
level 1 - maximum time at peak temperature durin	g soldering is 10-3	30 seconds											
For more information regarding material composi	tion please refer to	o page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed					
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	oHS 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 nthalate (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	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.	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	