ABBOGIATION CONNECTING ELECTRONICE INDUSTRIES® INCLUSTRIES®	PC. Bannockł	ourn. Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declara he declaration	tion of the s encompasse	ubstances es all lowe	within the r level mate	manufacture erials for wh	er listed iter nich the mar	n. Note: nufacture	if the item is an as er has engineering	sembly with lowe responsibility.
				Form Type Distribute	 Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and 					als and Mfg	and Mfg Information			
Supplier Information														
Company name* Comp			ompany unique ID			Unique ID Authority					Response Date*			
onsemi											2024-05-01			
Contact Name Title - Contact				Phone - Contact*						Email - Contact*				
Product-Env-Stewards Product En			ct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Re			e - Representative			Phone - Representative*				Email - Representative*				
Product-Env-Stewards Pro			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	uester Item Number Mfr Item Num		Number Mfr Item Name			Effective Dat	e Version	1	Manufacturing Site		W	eight*	UOM	Unit Type
	MMSZ5	MMSZ5231BT1G ZEN SOD123 R		3 0.5W 5.1V 2		2024-05-01		(CN1		11	.67	mg	Each
Manufacturing Proccess Informa	tion													
Terminal Plating / Grid Array Ma	Grid Array Material Terminal Base Alloy		Alloy	J-STD-020 MSI	ASL Rating Peak		k Process Body Temperature Max Time at Peak		me at Peak 7	Temperature Number of Reflow Cycles		cles		
Matte Tin (Sn) - annealed CU Alloy		CU Alloy		1		260		С	30		seconds	3		
comments														
evel 1 - maximum time at peak temperatu	re during so	Idering is 10-3	0 seconds											
or more information regarding material	composition	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed				
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		nium (Cr6+), Polybro	ominated Biphenyls (PBB), Polybron	dmium and quantity limit of 0.1% by mass (100 minated Diphenyl Ethers (PBDE), and Bis(2-eth					
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 fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.									
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	0.88	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	0.29	mg	Supplier	Palladium (Pd)	7440-05-3		0.0038	mg		
			Supplier	Copper (Cu)	7440-50-8		0.2862	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).