© Copyright	Composition Dec 2005. IPC, Bannockt and Pan-American co	urn, Illinois. A	Ill rights reserved untions.	under both	This docum level parts, t	ent is a declar the declaration	ation of the	e substance sses all low	s within the manuf er level materials f	acturer listed or which the	d item. Note: e manufacture	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					aterials and	ials and Mfg Information			
Supplier Information														
Company name*			Company unique ID			Unique ID Authority					Response Date*			
onsemi										2025-	2025-06-04			
Contact Name Title - Co			e - Contact			Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards Pro			Product Enviro Compliance			NA				Prod	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title			itle - Representative			Phone - Representative*			Emai	Email - Representative*				
Product-Env-Stewards	Product Enviro Compliance			NA				Prod	Product-Env-Stewards@onsemi.com					
Requester Item Number	Requester Item Number Mfr Item		n Number Mfr Item Name			Effective Da	te Versio	on	Manufacturing Site		Weight*	UOM	Unit Type	
	MMSZ4	MMSZ4678T1G ZE		ZEN SOD123 REG 0.5W 1.8V		2025-06-04			CN1		11.67	mg	Each	
Manufacturing Proccess Inf	ormation										-			
Terminal Plating / Grid A	Terminal Plating / Grid Array Material Terminal Base		Alloy	J-STD-020 MS	L Rating	Peak Pr	ocess Body	Temperat	ure Max Time at I	Peak Tempe	rature Num	ber of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy		CU Alloy	1			260 C 30		sec	seconds 3					
Comments														
level 1 - maximum time at peak ten	nperature during sol	dering is 10-3	0 seconds											
For more information regarding m	aterial 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 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 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 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.

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).									
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	Ortho Cresol Novolac Resin	29690-82-2		0.651	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.0325	mg	
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.9439	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		4.2315	mg	
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.651	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	