ABSOCIATION CONNECTING ELECTRONICS INDUSTRIES INDUSTRIES INDUSTRIES	C, Bannockb	urn, Illinois. A	Ill rights reserved untions.	under both	This docum level parts, t	ent is a declara	tion of the encompas	substance ses all low	s within the manuf er level materials f	acturer liste or which the	d item. Note: i e manufacture	if the item is an a r has engineering	ssembly with lower responsibility.	
				Form Type Distribute						aterials and	ials and Mfg Information			
Supplier Information														
Company name* Com			Company unique ID			Unique ID Authority					Response Date*			
onsemi											2024-05-16			
Contact Name Title - Contact			ct	Ph			Phone - Contact*				Email - Contact*			
Product-Env-Stewards Product Env			Enviro Compliance			NA			Prod	Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Repres			esentative			Phone - Representative*			Emai	Email - Representative*				
Product-Env-Stewards Produ			Product Enviro Compliance			NA				Prod	Product-Env-Stewards@onsemi.com			
Requester Item Number	equester Item Number Mfr Item Nu		Number Mfr Item Name			Effective Da	te Versio	n	Manufacturing Site		Weight*	UOM	Unit Type	
	MMSD4	MMSD4148T3G S SOD1		SOD123 SWCH DIO 100V		2024-05-16			CN1		11.67	mg	Each	
Manufacturing Proccess Informati	on													
Terminal Plating / Grid Array Mat	ting / Grid Array Material Terminal Base A		Alloy	J-STD-020 MSL Rating		Peak Process Body Temperature Max		ure Max Time at I	Peak Tempe	ak Temperature Number of Reflow Cycles				
Matte Tin (Sn) - annealed CU Alloy			1		260		С	30	sec	conds 3				
Comments														
level 1 - maximum time at peak temperatur	e during sol	dering is 10-3	0 seconds											
For more information regarding material c	omposition	please refer to	o page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chror	tion: 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 (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl BP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP). d by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, ad/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part e quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall ered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief,										
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 v 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	ess of the applicable quantity limit identified about the may apply. If the part is an assembly with low is accuracy and that such information is true and ce of its products with European Union member we independently verified such information. How	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	