ASSOCIATION CONNECTING LECTRONICS INDUSTRIES*					This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.								
				Form Type Distribute					ials and Mfg Information				
Supplier Information													
Company name* Company u			unique ID			Unique ID Authority				Response Date*			
onsemi										2023-06-08			
Contact Name Title - Contact			et	F			Phone - Contact*			Email - Contact*			
Product-Env-Stewards Product Envir			viro Compliance		NA			Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Repres			esentative			Phone - Representative*			Email -	Email - Representative*			
Product-Env-Stewards Product E			duct Enviro Compliance			NA			Produc	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
	MMBF4	1MBF4093 SOT-23 2N4093 M		IARKED 61L		2023-06-08	CN1			8.706	mg	Each	
Manufacturing Proccess Informa	tion							·					
Terminal Plating / Grid Array M	aterial Terminal Base Alloy		Alloy J.	J-STD-020 MSL Rating		Peak Process Body Temperature Max Time at Pe		rature Max Time at Peak	k Temperature Number of Reflow Cycles				
Matte Tin (Sn) - annealed CU Alloy		1			260	С	30	secor	nds 3				
Comments													
evel 1 - maximum time at peak temperat	ure during sol	ldering 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	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 by that the (DEHP), 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 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	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 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 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.

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	0.048	mg	Supplier	Silicon (Si)	7440-21-3		0.048	mg	
Lead Frame	2.371	mg	Supplier	Silver (Ag)	7440-22-4		0.008	mg	
			Supplier	Manganese (Mn)	7439-96-5		0.019	mg	
			Supplier	Silicon (Si)	7440-21-3		0.007	mg	
			В	Nickel (Ni)	7440-02-0		0.995	mg	
			Supplier	Iron (Fe)	7439-89-6		1.342	mg	
Mold Compound-Black	6.061	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		1.21	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.061	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		4.79	mg	
Plating	0.206	mg	Supplier	Tin (Sn)	7440-31-5		0.206	mg	
Wire Bond - Au	0.02	mg	Supplier	Gold (Au)	7440-57-5		0.02	mg	