ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Par	PC. Bannockl	burn, Illinois, A	ll rights reserved untions.	under both	This docume level parts, t	ent is a declaration entities the declaration entities and the declaration entities and the declaration entities and the declaration entities are an entities are an entities and the declaration entities are an entits are an entities are an entits are an entities are an entities	on of the su	bstances v all lower	within the manufactu level materials for w	rer listed i which the r	tem. Note: nanufacture	if the item is an as er has engineering	sembly with low responsibility.	
				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information									
upplier Information														
Company name* Compa			ompany unique ID			Unique ID Authority				Respon	Response Date*			
onsemi							2			2023-06	2023-06-08			
ntact Name Title - Contact					Phone - Contact*				Email - Contact*					
Product-Env-Stewards Product Envir			viro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Repr			presentative			Phone - Representative*			Email - Representative*					
Product-Env-Stewards Pro			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	Mfr Item Number		nber Mfr Item Name			Effective Date	Version	М	Ianufacturing Site		Weight*	UOM	Unit Type	
	MMBFJ	MMBFJ110 N Channel FET/SS		SSOT-23		2023-06-08 P		РВВ		10.57	mg	Each		
Ianufacturing Proccess Informa	tion													
Terminal Plating / Grid Array Ma	aterial 7	al Terminal Base Alloy J-S		J-STD-020 MSI	L Rating	Peak Process Body Temperat		emperature	ure Max Time at Peak Temper		ture Num	ber of Reflow Cyc	les	
Matte Tin (Sn) - annealed CU Alloy			1		260		С	30	secor	ids 3				
omments														
vel 1 - maximum time at peak temperatu	ire during so	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 phthalate (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 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 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	0.766	mg	Supplier	Silicon (Si)	7440-21-3		0.766	mg	
Lead Frame	3.699	mg	Supplier	Silver (Ag)	7440-22-4		0.015	mg	
			Supplier	Zinc (Zn)	7440-66-6		0.005	mg	
			Supplier	Iron (Fe)	7439-89-6		0.088	mg	
			Supplier	Copper (Cu)	7440-50-8		3.59	mg	
			Supplier	Phosphorus (P)	7723-14-0		0.001	mg	
Mold Compound-Black	5.697	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		1.65	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.057	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		3.99	mg	
Plating	0.332	mg	Supplier	Tin (Sn)	7440-31-5		0.332	mg	
Wire Bond - Au	0.076	mg	Supplier	Gold (Au)	7440-57-5		0.076	mg	