ASSOCIATION CONNECTING ELECTRONICS (NOUSTRIES®) MALEFIAL COMPOSITION DE © Copyright 2005. IPC, Bannock international and Pan-American c	burn, Illinois, All rights reserved	under both This do	cument is a declarat arts, the declaration e	ion of the substance encompasses all low	es within the manufactur wer level materials for wl	er listed item. Note: i hich the manufacture	if the item is an a r has engineering	ssembly with lower responsibility.		
IPC Web Site for Information on http://www.ipc.org/IPC-175x	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information						
Supplier Information										
Company name*	ny name* Company unique ID		Unique ID Authority			Response Date*				
onsemi	i					2023-06-08				
Contact Name	Title - Contact		Phone - Conta	Phone - Contact*			Email - Contact*			
Product-Env-Stewards	uct-Env-Stewards Product Enviro Compliance		NA			Product-Env-Stewards@onsemi.com				
uthorized Representative* Title - Representative			Phone - Representative*			Email - Representative*				
Product-Env-Stewards	Product Enviro Compliance	riro Compliance		NA			Product-Env-Stewards@onsemi.com			
Requester Item Number Mfr Iten	n Number Mfr Item Name	umber Mfr Item Name		Version	Manufacturing Site	Weight*	UOM	Unit Type		
MMBD	353LT1G SS SOT23 SHK	Y DIO 7V TR	2023-06-08		CN1	8.02	mg	Each		
Manufacturing Proccess Information							-			
Terminal Plating / Grid Array Material	Ferminal Base Alloy	J-STD-020 MSL Rating	Peak Proc	Peak Process Body Temperature Max Tir		Temperature Numb	per of Reflow Cy	cles		
Matte Tin (Sn) - annealed CU Alloy 1		1	260	С	30	seconds 3				
Comments										
evel 1 - maximum time at peak temperature during so	Idering is 10-30 seconds									
For 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), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP), Dibutyl 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 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	ances per the definitio	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.

sigma range of distribution unless otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	0.05	mg	Supplier	Silicon (Si)	7440-21-3		0.05	mg	
Lead Frame 2	2.92	mg	В	Nickel (Ni)	7440-02-0		1.06	mg	
			Supplier	Iron (Fe)	7439-89-6		1.4658	mg	
			Supplier	Copper (Cu)	7440-50-8		0.3942	mg	
Mold Compound-Black	4.9	mg	Supplier	Boron zinc hydroxide oxide	138265-88-0		0.147	mg	
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		0.0245	mg	
			Supplier	2,4,6-triamino-1,3,5-triazine isocyanuric acid	37640-57-6		0.147	mg	
			Supplier	Silica Amorphous (SiO2)	7631-86-9		3.92	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.049	mg	
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.392	mg	
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.2205	mg	
Plating	0.14	mg	Supplier	Tin (Sn)	7440-31-5		0.14	mg	
Wire Bond - Cu	0.01	mg	Supplier	Copper (Cu)	7440-50-8		0.01	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 (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 signa range of distribution unless otherwise noted).