ABBOCIATION CONNECTING ELECTRONICS (NOUSTRIES®) MOUSTRIES® international and Pan-America	ckburn, Illinois. A	All rights reserved u ntions.	under both	This docume level parts, t	ent is a declara he declaration	tion of the s encompass	substances es all low	s within the manufactu er level materials for v	rer listed in the rest of the	tem. Note: i nanufacture	if the item is an as r has engineering	sembly with lower responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Ty http://www.ipc.org/IPC-175x Distribut			* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materia					ials and N	als and Mfg Information			
Supplier Information													
Company name* Company unique ID				Unique ID Authority					Response Date*				
nsemi									2023-06	2023-06-08			
Contact Name	me Title - Contact				Phone - Contact*				Email -	Email - Contact*			
duct-Env-Stewards Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Representative				Phone - Representative*				Email - Representative*					
Product-Env-Stewards Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
Requester Item Number Mfr I	em Number	Mfr Item Name			Effective Dat	e Version	l	Manufacturing Site		Weight*	UOM	Unit Type	
MC1	AC100EP29MNG BBG ECL DL DI		FF DFF W/SET		2023-06-08 MY1		MY1		42.75	mg	Each		
Manufacturing Proccess Information					•								
Terminal Plating / Grid Array Material	Array Material Terminal Base Alloy		J-STD-020 MSI	Rating	Peak Process Body Temperature		are Max Time at Peak	k Tempera	Temperature Number of Reflow Cycles		eles		
Matte Tin (Sn) - annealed CU Alloy 1			1		260		С	30	secor	nds 3			
Comments													
level 1 - maximum time at peak temperature during	soldering is 10-3	30 seconds											
For more information regarding material compositi	on please refer to	o 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 hthalate (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 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 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	s Material Weight Unit of Measure Level Substance		Substance	CAS	Exempt	Weight	Unit of Measure		
Die	1.9	mg	Supplier	Silicon (Si)	7440-21-3		1.9	mg	
Die Attach	0.58	mg	Supplier	Epoxized Condensate Of Para- Hydrobenzaldehyde And Alkyl Phenol	129915-35-1		0.116	mg	
			Supplier	Silver (Ag)	7440-22-4		0.464	mg	
Lead Frame	16.1	mg	Supplier	Silver (Ag)	7440-22-4		0.322	mg	
			Supplier	Iron (Fe)	7439-89-6		0.3542	mg	
			Supplier	Copper (Cu)	7440-50-8		15.4238	mg	
Mold Compound-Black	22.31	mg		Epoxy Phenol Resin	proprietary data		2.0079	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		20.3021	mg	
Plating	1.58	mg	Supplier	Tin (Sn)	7440-31-5		1.58	mg	
Wire Bond - Au	0.28	mg	Supplier	Gold (Au)	7440-57-5		0.28	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)