ASSOCIATION CONNECTING ELECTROMICS INDUSTRIES INDUSTRIES INDUSTRIES	C, Bannockb	urn, Illinois. A	Il rights reserved u ntions.	nder both	This docum level parts,	ent is a declarat	ion of the succession of the s	ubstances s all lowe	s within the manufactu er level materials for w	rer listed	item. Note: i manufacture	f the item is an as r has engineering	ssembly with lower responsibility.	
				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials				ials and N	s and Mfg Information				
Supplier Information														
Company name*	Company unique ID			Unique ID Authority					Response Date*					
onsemi								2023-06-08						
Contact Name Title - Contact			ct	Ph			Phone - Contact*				Email - Contact*			
Product-Env-Stewards Product En			uct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Re			- Representative			Phone - Representative*			Email	Email - Representative*				
Product-Env-Stewards Pro			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Item Number		er Mfr Item Name			Effective Date	Version		Manufacturing Site		Weight*	UOM	Unit Type	
	MC1401	MC14017BDR2G LOG CMOS		OUNTER DECADE		2023-06-08			PH1		142.68	mg	Each	
Manufacturing Proccess Information	on													
Terminal Plating / Grid Array Mate	Terminal Plating / Grid Array Material Terminal Base Alloy		Alloy J	J-STD-020 MSI	L Rating	Peak Proc	ess Body T	emperatu	re Max Time at Peak	Tempera	ture Numb	per of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy			1	1		260		С	30	seco	nds 3			
Comments														
level 1 - maximum time at peak temperature	e during sol	dering is 10-3	0 seconds											
For more information regarding material co	mposition	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), 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 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	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	2.73	mg	Supplier	Silicon (Si)	7440-21-3		2.73	mg	
Die Attach	4.85	mg		Epoxy resin	proprietary data		0.485	mg	
			Supplier	Ethylene dimethacrylate	97-90-5		0.2425	mg	
			Supplier	Silver (Ag)	7440-22-4		3.88	mg	
			Supplier	Formaldehyde Polymer	9003-36-5		0.2425	mg	
Lead Frame	75.92	mg	Supplier	Silver (Ag)	7440-22-4		0.7592	mg	
			Supplier	Zinc (Zn)	7440-66-6		0.1518	mg	
			Supplier	Iron (Fe)	7439-89-6		1.9739	mg	
			Supplier	Copper (Cu)	7440-50-8		73.035	mg	
Mold Compound-Black	55.11	mg		Epoxy resin	proprietary data		2.7555	mg	
			Supplier	Phenolic Resin	Proprietary Data		1.1022	mg	
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		1.3778	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.2756	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		49.599	mg	
Plating	3.73	mg	Supplier	Tin (Sn)	7440-31-5		3.73	mg	
Wire Bond - Cu	0.34	mg	Supplier	Copper (Cu)	7440-50-8		0.34	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 (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).