ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® INCLUSTRIES®	5. IPC, Bannockt	ourn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declarat	ion of the su encompasse	ubstances v s all lower	within the manufactu level materials for v	rer listed in which the m	tem. Note: nanufacture	if the item is an as er has engineering	ssembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				*	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					als and Mfg Information			
upplier Information														
Company name* Comp			Company unique ID			Unique ID Authority				Respons	Response Date*			
onsemi										2023-06	2023-06-08			
Contact Name Title - Contact			t			Phone - Contact*				Email -	Email - Contact*			
Product-Env-Stewards Product Er			act Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Repr			resentative		Phone - Representative*			Email - Representative*						
Product-Env-Stewards Pro			Product Enviro Compliance			NA				Produc	Product-Env-Stewards@onsemi.com			
Requester Item Number	Item Number Mfr Item Numb		Number Mfr Item Name			Effective Date	e Version	Version Manufacturing Site		1	Weight*	UOM	Unit Type	
	CS51414	CS51414EDR8G ANA BUCK CON		NTROLLER	LER 2023-06			P	PH1		72.0	mg	Each	
Anufacturing Proccess Inform	nation									ł				
Terminal Plating / Grid Array	ninal Plating / Grid Array Material Terminal Base Alloy		Alloy	J-STD-020 MS	L Rating	Peak Proc	Process Body Temperature Max Time at Peak			Temperature Number of Reflow Cycles				
Matte Tin (Sn) - annealed CU Allo		CU Alloy	1			260	) С		30	secon	ds 3			
omments														
vel 1 - maximum time at peak temper	ature during so	Idering is 10-3	0 seconds											
or more information regarding mater	ial 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), 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 cc for issues that arise regarding inform	ess of the applicable quantity limit identified above may apply. If the part is an assembly with low is accuracy and that such information is true and ce of its products with European Union membe we independently verified such information. How heir contributions to the part, and those certificat anditions of that agreement, including any warra	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	states) of the part identified on this form contains lead, mercury, anatity limit identified above. If a homogeneous material within the part t is an assembly with lower level components, the declaration shall ch information is true and correct to the best of its knowledge and belief, European Union member state laws that implement the RoHS Directive. ted such information. However, in situations where Supplier has not e part, and those certifications are at least as comprehensive as the ment, including any warranty rights and/or remedies provided as part of ovides in this form. In the absence of such written agreement, the Supplier Acceptance * Accepted prresponding response in the RoHS Declaration above and choose all						
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	1.33	mg	Supplier	Silicon (Si)	7440-21-3		1.33	mg
Die Attach	2.4	mg		Epoxy resin	proprietary data		0.24	mg
			Supplier	Ethylene dimethacrylate	97-90-5		0.12	mg
			Supplier	Silver (Ag)	7440-22-4		1.92	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.12	mg
Lead Frame	37.61	mg	Supplier	Silver (Ag)	7440-22-4		0.7898	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0752	mg
			Supplier	Iron (Fe)	7439-89-6		0.9403	mg
			Supplier	Copper (Cu)	7440-50-8		35.8047	mg
Mold Compound-Black	28.58	mg		Epoxy resin	proprietary data		1.429	mg
			Supplier	Phenolic Resin	Proprietary Data		0.5716	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.7145	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1429	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		25.722	mg
Plating	1.89	mg	Supplier	Tin (Sn)	7440-31-5		1.89	mg
Wire Bond - Au	0.19	mg	Supplier	Gold (Au)	7440-57-5		0.19	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).