ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Pa	IPC. Bannockł	ourn, Illinois, A	Il rights reserved nations.	under both	This docume level parts, t	ent is a declaration en declaration	on of the su	bstances all lower	within the manufact level materials for	urer listed which the	item. Note manufactu	: if the item is an as rer has engineering	sembly with low responsibility.	
				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and					rials and N	Afg Inform	ation		
upplier Information														
Company name* Com			Company unique ID			Unique ID Authority				Respon	Response Date*			
onsemi					,				2023-0	2023-06-08				
ontact Name Title - Contact				Phone - Contact*				Email	Email - Contact*					
Product-Env-Stewards Product Env			nviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Repr			epresentative			Phone - Representative*				Email	Email - Representative*			
Product-Env-Stewards Prod			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number	Number Mfr Item Number		Number Mfr Item Name			Effective Date	Version	Ν	Manufacturing Site		Weight*	UOM	Unit Type	
	ESD810	ESD8104MUTAG Low cap ESD pr		otection		2023-06-08					3.61	mg	Each	
Ianufacturing Proccess Informa	ntion													
Terminal Plating / Grid Array M	laterial T	rial Terminal Base Alloy			Rating	ating Peak Process Body Temperature Max			e Max Time at Pea	k Tempera	ture Nur	nber of Reflow Cyc	les	
Matte Tin (Sn) - annealed CU Alloy		CU Alloy		1		260		С	30	seco	nds 3			
omments														
vel 1 - maximum time at peak temperat	ure during so	ldering is 10-3	0 seconds											
or more information regarding material	l 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 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	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	
Die Attach	0.01	mg	Supplier	Epoxized Condensate Of Para- Hydrobenzaldehyde And Alkyl Phenol	129915-35-1		0.002	mg	
			Supplier	Silver (Ag)	7440-22-4		0.008	mg	
Lead Frame	1.12	mg	Supplier	Silver (Ag)	7440-22-4		0.0224	mg	
			Supplier	Iron (Fe)	7439-89-6		0.0246	mg	
			Supplier	Copper (Cu)	7440-50-8		1.073	mg	
Mold Compound-Black	2.25	mg		Epoxy resin	proprietary data		0.1575	mg	
			Supplier	Phenolic Resin	Proprietary Data		0.1575	mg	
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.3375	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.0112	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		1.5862	mg	
Plating	0.09	mg	Supplier	Tin (Sn)	7440-31-5		0.09	mg	
Wire Bond - Au	0.09	mg	Supplier	Gold (Au)	7440-57-5		0.09	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 signa range of distribution unless otherwise noted).