ABBOGIATION CONNECTING ELECTRONICS INDUSTRIES® INFORMATION AND ADDRESS INDUSTRIES®	IPC. Bannockt	ourn. Illinois. A	Il rights reserved untions.	under both	This docum level parts, t	ent is a declaration er	n of the substand compasses all lo	es within the manufactu wer level materials for w	rer listed ite hich the ma	m. Note: if nufacturer	f the item is an as has engineering	sembly with lower responsibility.		
				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information									
Supplier Information														
Company name* Co			Company unique ID			Unique ID Authority				Response Date*				
onsemi										2024-05-15				
Contact Name Title - Contact			ct				Phone - Contact*				Email - Contact*			
Product-Env-Stewards Product En			act Enviro Compliance			NA			Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Rep			Representative			Phone - Representative*			Email - Representative*					
Product-Env-Stewards Pr			Product Enviro Compliance			NA			Product-Env-Stewards@onsemi.com					
Requester Item Number	Mfr Item Number		iber Mfr Item Name			Effective Date	Version	Manufacturing Site	W	'eight*	UOM	Unit Type		
	ESD810	ESD8104MUTAG Low		Low cap ESD protection		2024-05-15				61	mg	Each		
Manufacturing Proccess Informa	ition											·		
Terminal Plating / Grid Array Material Terminal Base Alloy		Alloy	J-STD-020 MSI	L Rating	Peak Proce	ss Body Tempera	ture Max Time at Peak	Temperatu	re Numb	er of Reflow Cyc	les			
Matte Tin (Sn) - annealed CU Alloy				1		260	С	30	second	s 3				
Comments														
evel 1 - maximum time at peak temperat	ure during so	ldering is 10-3	0 seconds											
or 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), 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 co 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	<b>Weight</b> 0.05	Unit of Measure
Die	0.05	mg	Supplier	Silicon (Si)	7440-21-3			
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).