ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Pa	IPC. Bannockł	ourn. Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declarati the declaration e	on of the su	bstances v all lower	within the manufactu level materials for v	rer listed i which the n	tem. Note: nanufacture	if the item is an as er has engineering	sembly with low responsibility.	
				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Material					ials and M	als and Mfg Information			
upplier Information														
Company name* Com			Company unique ID			Unique ID Authority					Response Date*			
nsemi											2024-05-11			
ntact Name Title - Contact					Phone - Contact*				Email -	Email - Contact*				
Product-Env-Stewards Product Enviro Compli			ro Compliance	Compliance		NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Representative			sentative	e		Phone - Representative*			Email - Representative*					
Product-Env-Stewards Product Er			uct Enviro Compliance			NA				Produc	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	Version	Μ	Ianufacturing Site		Weight*	UOM	Unit Type	
	ESD800	SD8004MUTAG Low cap ESD prot		otection	tion 20			M	MY1		3.565	mg	Each	
Ianufacturing Proccess Informa	ation		·				-							
Terminal Plating / Grid Array M	laterial 7	ial Terminal Base Alloy		J-STD-020 MSI	MSL Rating Pea		k Process Body Temperature Max Time at Pea		K Temperat	ture Num	ber of Reflow Cyc	les		
Matte Tin (Sn) - annealed CU Alloy		CU Alloy		1		260		С	30	secon	ids 3			
omments														
vel 1 - maximum time at peak temperat	ure during so	ldering is 10-3	0 seconds											
or more information regarding materia	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 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.

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 Epoxy	0.01	mg		Epoxy resin	proprietary data		0.001	mg
			Supplier	Cumene hydroperoxide	80-15-9		0	mg
			Supplier	Diethylene glycol monoethyl ether acetate	112-15-2		0.0005	mg
			Supplier	Silver (Ag)	7440-22-4		0.0085	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	Supplier	Silica Amorphous (SiO2)	7631-86-9		0.1688	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0112	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1.7888	mg
			Supplier	EpoxyNovolaCresins (Cresolic)	64425-89-4		0.1125	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.1688	mg
Plating	0.09	mg	Supplier	Tin (Sn)	7440-31-5		0.09	mg
Wire Bond	0.045	mg	Supplier	Palladium (Pd)	7440-05-3		0.0016	mg
			Supplier	Copper (Cu)	7440-50-8		0.0434	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).