PC SECONTION CONNECTING COpyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.				This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.											
	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					als and Mfg Information				
Supplier Information															
Company name*	Company un	Company unique ID			Unique ID Authority					Response Date*					
onsemi											2023-06-08				
Contact Name	Title - Conta	Title - Contact			Phone - Contact*					Email - Contact*					
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com					
Authorized Representative*	Title - Repres	Title - Representative			Phone - Representative*				Email	Email - Representative*					
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com					
Requester Item Numb	er Mfr Ite	n Number	Jumber Mfr Item Name			Effective D	Date Version	n N	Manufacturing Site		Weig	ht*	UOM	Unit Type	
	ESD85	ESD8501V5MUT5G		5V TVS in UDFN2 1.6*1.0		2023-06-08	3	N	ſY1		1.93		mg	Each	
Manufacturing Proccess I	nformation										1		1	ł	
Terminal Plating / Grid	Terminal Plating / Grid Array Material		Terminal Base Alloy J-S		L Rating	Peak Process Body Te		Temperatur	ature Max Time at Peak T		Temperature Number		ber of Reflow Cycles		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1		L		260		C	30	seco	nds	ls 3			
Comments								· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·						
evel 1 - maximum time at peak t	temperature during s	oldering is 10-3	0 seconds												
For 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 bithalate (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 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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.115	mg	Supplier	Silicon (Si)	7440-21-3		0.115	mg
Die Attach Epoxy	0.02	mg		Epoxy resin	proprietary data		0.002	mg
			Supplier	Cumene hydroperoxide	80-15-9		0.0001	mg
			Supplier	Diethylene glycol monoethyl ether acetate	112-15-2		0.0009	mg
			Supplier	Silver (Ag)	7440-22-4		0.017	mg
Lead Frame	0.978	mg	Supplier	Tin (Sn)	7440-31-5		0.0024	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0022	mg
			Supplier	Chromium (Cr)	7440-47-3		0.0024	mg
			Supplier	Copper (Cu)	7440-50-8		0.971	mg
Mold Compound-Black	0.76	mg	Supplier	Epoxy and Phenolic Resin	40216-08-8		0.0608	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0038	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.0152	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		0.6574	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0228	mg
Plating	0.031	mg	Supplier	Palladium (Pd)	7440-05-3		0.0007	mg
			В	Nickel (Ni)	7440-02-0		0.0273	mg
			Supplier	Gold (Au)	7440-57-5		0.003	mg
Wire Bond - Au	0.026	mg	Supplier	Gold (Au)	7440-57-5		0.026	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).