ASSOCIATION CONNECTING ELECTROMICS INDUSTRIES® International and Par	PC. Bannockl	burn, Illinois, A	ll rights reserved untions.	under both	This docume level parts, t	ent is a declaration entries the declaration entries and t	on of the su	bstances v all lower	vithin the manufactule level materials for v	urer listed which the	item. Note: manufactur	if the item is an as er has engineering	sembly with low responsibility.	
				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information					ation				
upplier Information														
Company name*	Company un	Company unique ID			Unique ID Authority				Respon	Response Date*				
onsemi										2024-0	2024-04-28			
Contact Name Title - Contact			ct	Phor			Phone - Contact*				Email - Contact*			
Product-Env-Stewards Produ			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Titl			Title - Representative			Phone - Representative*				Email	Email - Representative*			
Product-Env-Stewards	Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com				
Requester Item Number	umber Mfr Item Number		umber Mfr Item Name			Effective Date	Version	М	Manufacturing Site		Weight*	UOM	Unit Type	
	1SV251	V251-TB-E PIN Di SERIES rs		rs 4.5 ohm		2024-04-28		CI	CNG		11.64	mg	Each	
Ianufacturing Proccess Informa	tion													
Terminal Plating / Grid Array Ma	Terminal Plating / Grid Array Material Terminal Base Alloy			J-STD-020 MSI	MSL Rating Peak Process Body Temperature Max Time at Peak Tem					k Tempera	ature Nun	nber of Reflow Cyc	les	
contains Bi CU Alloy			1		260		С	30	seco	nds 3				
omments														
vel 1 - maximum time at peak temperatu	ire 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	(Pb), Mercury (Hg), Hexavalent Chror	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 http://www.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional.com/actional											
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 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	0.08	mg	Supplier	Silicon (Si)	7440-21-3		0.08	mg
Lead Frame	2.6	mg	Supplier	Silver (Ag)	7440-22-4		0.039	mg
			Supplier	Chromium (Cr)	7440-47-3		0.0023	mg
			Supplier	Manganese (Mn)	7439-96-5		0.0195	mg
			Supplier	Silicon (Si)	7440-21-3		0.0073	mg
			В	Nickel (Ni)	7440-02-0		1.0187	mg
			Supplier	Iron (Fe)	7439-89-6		1.4071	mg
			Supplier	Copper (Cu)	7440-50-8		0.1058	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0003	mg
Mold Compound-Black	8.72	mg		Brominated epoxy resin	proprietary data		0.218	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.1395	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0436	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		6.1389	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		2.18	mg
Plating	0.22	mg	В	Bismuth (Bi)	7440-69-9		0.0013	mg
			Supplier	Tin (Sn)	7440-31-5		0.2187	mg
Wire Bond - Au	0.02	mg	Supplier	Gold (Au)	7440-57-5		0.02	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).