	© Copyright 2005. IPC, international and Pan-A	, Bannockb	urn, Illinois. A	ll rights reserved untions.	under both	This docume level parts, t	ent is a declarat	ion of the spencompasse	ubstances s all lower	within the manufactur r level materials for w	er listed i hich the n	tem. Note: i nanufacturer	f the item is an as r has engineering	ssembly with lower responsibility.
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				*	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					als and Mfg Information			
Supplier In	nformation													
Company nar	ne*	Company unique ID			-	Unique ID Authority				Response Date*				
onsemi										2024-05-04				
Contact Name	e	Title - Contact				Phone - Contact*				Email - Contact*				
Product-Env	-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorized R	epresentative*	Title - Representative				Phone - Representative*				Email - Representative*				
Product-Env	-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Re	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	Version	Ν	Manufacturing Site		Weight*	UOM	Unit Type
		1SV249-TL-E PIN Di SERIES rs 4		s 4.5 ohm		2024-05-04		CNG			6.29	mg	Each	
Manufactu	ring Proccess Informatio	n												
Tei	Terminal Plating / Grid Array Material T			erminal Base Alloy J-STD-020 MSL		L Rating	Peak Process Body Temperatu		ure Max Time at Peak Temper		ture Numb	per of Reflow Cy	cles	
contains Bi CU Alloy			CU Alloy	1			260 C 30			seconds 3				
Comments														
evel 1 - maxii	mum time at peak temperature	during sol	dering is 10-3	0 seconds										
For more info	ormation regarding material con	mposition	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	0.08	mg	Supplier	Silicon (Si)	7440-21-3		0.08	mg
Lead Frame	2.67	mg	Supplier	Silver (Ag)	7440-22-4		0.0697	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0051	mg
			Supplier	Iron (Fe)	7439-89-6		0.0676	mg
			Supplier	Copper (Cu)	7440-50-8		2.524	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0037	mg
Mold Compound-Black	3.37	mg		Brominated epoxy resin	proprietary data		0.0842	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		0.0708	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.0404	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0337	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		2.359	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.7751	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.0067	mg
Plating	0.15	mg	В	Bismuth (Bi)	7440-69-9		0.0009	mg
			Supplier	Tin (Sn)	7440-31-5		0.1491	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).