ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES	PC, Bannockl	burn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declara he declaration	tion of the encompass	substances es all lowe	within the materia	anufacture als for wh	er listed iter nich the mar	n. Note: nufacture	if the item is an as er has engineering	ssembly with low responsibility.
	IPC Web Site for Information on IPC-1752 Standard Form Ty http://www.ipc.org/IPC-175x Distribu				e *	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater				ıs Materia	als and Mfg Information			
Supplier Information														
Company name* Comp			Company unique ID			Unique ID Authority					Response Date*			
nsemi											2024-05-10			
ontact Name Title - Contact			,t			Phone - Contact*					Email - Contact*			
Product-Env-Stewards Product Env			Enviro Compliance			NA					Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Represen			sentative			Phone - Representative*			Email - Representative*					
Product-Env-Stewards Product E			oduct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	quester Item Number Mfr Item Nu		Number Mfr Item Name			Effective Da	e Versior	1	Manufacturing Site		W	eight*	UOM	Unit Type
	NSPM8	SPM8181MUTBG 18V Un		8V Unidirectional TVS		2024-05-10			MY1		5.5	52	mg	Each
Aanufacturing Proccess Informa	tion													
Terminal Plating / Grid Array M	Terminal Plating / Grid Array Material Terminal Base A		Alloy	J-STD-020 MSL Rating		Peak Process Body Temperature M		re Max Time	ime at Peak Temperatu		e Num	ber of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy			1		260		С	30		seconds	3			
omments														
vel 1 - maximum time at peak temperat	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	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), Dibutyl 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	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	0.49	mg	Supplier	Silicon (Si)	7440-21-3		0.49	mg
Die Attach	0.2	mg		Epoxy resin	proprietary data		0.03	mg
			Supplier	Silver (Ag)	7440-22-4		0.16	mg
			Supplier	Bismaleimide	13676-54-5		0.01	mg
Lead Frame	2.13	mg	Supplier	Silver (Ag)	7440-22-4		0.0213	mg
			Supplier	Tin (Sn)	7440-31-5		0.0053	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0047	mg
			Supplier	Chromium (Cr)	7440-47-3		0.0053	mg
			Supplier	Copper (Cu)	7440-50-8		2.0934	mg
Mold Compound-Black	2.55	mg		Epoxy resin	proprietary data		0.1198	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.255	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0026	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		2.0527	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.1198	mg
Plating	0.11	mg	Supplier	Tin (Sn)	7440-31-5		0.11	mg
Wire Bond	0.04	mg	Supplier	Palladium (Pd)	7440-05-3		0.0004	mg
			Supplier	Copper (Cu)	7440-50-8		0.0396	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).