ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES	Material Composition Declaration © 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					ous Materia	als and Mfg Information					
Supplier Information	ı																
Company name*			Company unique ID				Unique ID Authority					Response Date*					
onsemi													2023-06-	08			
Contact Name			Title - Contact]	Phone - Contact*					Email - Contact*					
Product-Env-Stewards			Product Enviro Compliance				NA						Product-Env-Stewards@onsemi.com				
Authorized Representative*			Title - Representative			Phone - Representative*					Email - Representative*						
Product-Env-Stewards			Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com					
Requester Item Number Mfr Item		Number Mfr Item Name				Effective I	Date	Version	N	Manufacturing Site		V	Veight*	τ	UOM	Unit Type	
	NSP8814MU		MUTAG	G 4 Channel TVS Array			2023-06-0	8		N	MY1		6	.88	I	ng	Each
Manufacturing Proce	cess Information						1								I		
Terminal Plating / Grid Array Material		1 T	rminal Base Alloy J-STD-020 N		J-STD-020 MS	L Rating	Peak Proc		ss Body Temperature Max Time		me at Peak Temperatu		are Number of Reflow Cycles				
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)) (no C	CU Alloy 1		1		260	260 C		С	30		second	seconds 3			
Comments																	
evel 1 - maximum time at	peak temperature d	uring sol	dering is 10-3	0 seconds													
or more information rega	rding material com	position j	please refer to	page 3													

RoHS Material Composition Declaration				Declaration Type *	Detailed
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		nium (Cr6+), Polybro	ominated Biphenyls (PBB), Polybron	dmium and quantity limit of 0.1% by mass (100 minated Diphenyl Ethers (PBDE), and Bis(2-eth	
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.

sigma range of distribution unless	otherwise noted).							
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.25	mg	Supplier	Silicon (Si)	7440-21-3		0.25	mg
Die Attach	0.1	mg	Supplier	Silver (Ag)	7440-22-4		0.075	mg
			Supplier	Epoxy resins	129915-35-1		0.025	mg
Lead Frame	2.94	mg	Supplier	Magnesium (Mg)	7439-95-4		0.0044	mg
			Supplier	Silicon (Si)	7440-21-3		0.0191	mg
			В	Nickel (Ni)	7440-02-0		0.0882	mg
			Supplier	Copper (Cu)	7440-50-8		2.8283	mg
Mold Compound-Black	3.45	mg		Epoxy resin	proprietary data		0.1725	mg
			Supplier	Phenolic Resin	Proprietary Data		0.0794	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.1725	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0138	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.0794	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		2.9325	mg
Plating	0.09	mg	Supplier	Palladium (Pd)	7440-05-3		0.0056	mg
			В	Nickel (Ni)	7440-02-0		0.0834	mg
			Supplier	Gold (Au)	7440-57-5		0.001	mg
Wire Bond - Au	0.05	mg	Supplier	Gold (Au)	7440-57-5		0.05	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).