IPC ASSOCIATION CONNEC	Material Compo © Copyright 2005. IP international and Pan-	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			under both	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lowe level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
752-21.1		IPC Web Site for Information on IPC-1752 Standard Form Typhttp://www.ipc.org/IPC-175x Distribute									ials and Mfg Information				
Supplier Info	rmation														
Company name*			Company un	Company unique ID			Unique ID Authority					Response Date*			
nsemi												2023-06-07			
Contact Name		Title - Contact			I	Phone - Contact*					Email - Contact*				
Product-Env-Ste	ewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
uthorized Repr	esentative*	Title - Representative			Phone - Representative*				Email - Representative*						
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Reque	ester Item Number Mfr Iter		em Number Mfr Item Name				Effective Da	ate Ver	rsion	Manufacturing Site		W	eight*	UOM	Unit Type
		SZESD8472MUT5G L		Low Cap TVS			2023-06-07				0.2	).2847 mg		Each	
<b>Ianufacturi</b> n	ng Proccess Informat	ion		1											
Termir	l Plating / Grid Array Material		Terminal Base Alloy		J-STD-020 M	SL Rating	Peak Pr	Peak Process Body Temperature		re Max Time at Peak Tempera		Temperatur	ure Number of Reflow Cycles		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			CU Alloy		1		260		C	30 seco		seconds	seconds 3		
Comments					·						·				· ·
vel 1 - maximur	n time at peak temperatu	re during so	oldering is 10-3	0 seconds											
or more inform	ation regarding material o	composition	please refer to	page 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	ed
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		ium (Cr6+), Polybrominated Biphenyls (PB)	erial for Cadmium and quantity limit of 0.1% b B), Polybrominated Diphenyl Ethers (PBDE), a		
cadmium, hexavalentchromium, polybromin contains a RoHS restricted substance inexce encompass all such components. Supplier cet as of the date that Supplier completes this Company acknowledges that Supplier may hindependently verified information provided certification in this paragraph. If the Compan	nated biphenyls and/or polybrominated diphess of an applicable quantity limit, please indriffes that it gathered the information it provom. Supplier acknowledges that Company wave relied on informationprovided by others of the supplier agrees that, at a minimusy and the Supplier enter into a written agree yesource of the Supplier's liability and the C	enyl ethers (each a "RoHS restricted substan licate below which, if any, RoHS exemption vides in this form using appropriate methods vill rely on this certification in determining the s in completing this form, and that Supplier um, itssuppliers have provided certifications ement with respect to the identified part, the tompany's remedies for issues that arise rega	s of the European Union member states) of the ce") in excess of the applicable quantity limit is you believe may apply. If the part is an assemb to ensure its accuracy and that such informatio e compliance of its products with European Ur may not have independently verified such infor regarding their contributions to the part, and the erms and conditions of that agreement, including information the Supplier provides in this	dentified above. If a ally with lower level in is true and correct tion member state la mation. However, in ose certifications are ag any warranty righ	homogeneous material within the part components, the declaration shall to the best of its knowledge and belief, was that implement the RoHS Directive. In situations where Supplier has not the at least as comprehensive as the lats and/or remedies provided as part of
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	Accepted
Exemption: If the declared item does not applicable exemptions.	contain RoHS restricted substances per t	he definition above except for defined Rol	IS exemptions, then select the corresponding	response in the R	oHS Declaration above and choose all
Exemption List Version	EL-2011/534/EU				
Declaration Signature					
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	the declaration (if required by the

## **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.

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).

<b>Homogeneous Material</b>	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.024	mg	Supplier	Silicon (Si)	7440-21-3		0.024	mg
Die Attach	0.0378	mg	Supplier	Silver (Ag)	7440-22-4		0.0283	mg
			Supplier	Epoxy resins	129915-35-1		0.0094	mg
Lead Frame	0.1083	mg	Supplier	Tin (Sn)	7440-31-5		0.0003	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0002	mg
			Supplier	Chromium (Cr)	7440-47-3		0.0003	mg
			Supplier	Copper (Cu)	7440-50-8		0.1075	mg
Mold Compound-Black	0.0828	mg	Supplier	Epoxy and Phenolic Resin	40216-08-8		0.0066	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0004	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.0017	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		0.0716	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0025	mg
Plating	0.0269	mg	Supplier	Palladium (Pd)	7440-05-3		0.0025	mg
			В	Nickel (Ni)	7440-02-0		0.0243	mg
			Supplier	Gold (Au)	7440-57-5		0.0001	mg
Wire Bond - Au	0.0049	mg	Supplier	Gold (Au)	7440-57-5		0.0049	mg