IPC ASSOCIATION CONNECT ELECTRONICS INDUST.	Material Compo © Copyright 2005. IF international and Pan	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 lowel 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  http://www.ipc.org/IPC-175x  Form Type Distribute					Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information								
upplier Info	mation														
Company name* Company unique ID				τ	Unique ID Authority					Response Date*					
nsemi											2023-06-08				
Contact Name		Title - Contact			1	Phone - Contact*				Email - Contact*					
Product-Env-Ste	wards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
uthorized Repro	esentative*	Title - Representative			1	Phone - Representative*				Email - Representative*					
Product-Env-Stewards Product Enviro Compliance						NA					Product-Env-Stewards@onsemi.com				
Reque	ster Item Number	Mfr Item	Number	Mfr Item Name			Effective Dat	ffective Date		turing Site	1	Veight*	UOM	Unit Type	
		R3910-C	FAB-E1T	Preconfig DSP: Rh 250/Reel	ythm Tape &	Reel	2023-06-08					6	60.897373	mg	Each
<b>Ianufacturin</b>	g Proccess Informat	ion													
Terminal Plating / Grid Array Material Terminal Base Alloy J-STD-020 MSI					SL Rating	Peak Pro	cess B	ody Temperat	ure Max	Time at Peak	Temperat	ure Numbe	er of Reflow Cyo	eles	
SnAgC	Cu Cu	C	U Alloy	3			260		C	30		secon	ds 3		
omments															
TTENTION: M	SL 3 Rated item requires	Bake and D	ry Pack (afte	r electrical test)											
or more informa	ation regarding material o	composition	please refer t	o page 3											

RoHS Material Composition Declaration			Declaration 7	Гуре *	Detailed
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	RoHS Definition: Quantity limit of 0.01% b (Pb), Mercury (Hg), Hexavalent Chromium phthalate (BBP), Dibutyl phthalate (DBP), I	(Cr6+), Polybrominated Biphenyls (PB			
contains a RoHS restricted substance inexcess encompass all such components. Supplier certi as of the date that Supplier completes this for Company acknowledges that Supplier may ha independently verified information provided b	ed biphenyls and/or polybrominated diphenyl of an applicable quantity limit, please indicate fies that it gathered the information it provides n. Supplier acknowledges that Company will reverselied on informationprovided by others in a yothers, Supplier agrees that, at a minimum, i and the Supplier enter into a written agreement ource of the Supplier's liability and the Comp	ethers (each a "RoHS restricted substant be below which, if any, RoHS exemption in this form using appropriate method- ely on this certification in determining to completing this form, and that Supplier tssuppliers have provided certifications at with respect to the identified part, the any's remedies for issues that arise reg-	ce") in excess of the appli you believe may apply. If to ensure its accuracy and the compliance of its produce may not have independent regarding their contributions of the	cable quantity limit identified about the part is an assembly with low I that such information is true and cts with European Union membe ly verified such information. How ons to the part, and those certificant agreement, including any warrant.	ove. If a homogeneous material within the part er level components, the declaration shall d correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not titions are at least as comprehensive as the anty rights and/or remedies provided as part of
RoHS Declaration * 4 - Item(s	does not contain RoHS restricted substances	per the definition above except for sele	ted exemptions	Supplier Acceptance	* Accepted
Exemption: 7c-I Electrical and electronic co	omponents containing lead in a glass or cera	mic other than dielectric ceramic in	apacitors, e.g. piezoelect	ronic devices, or in a glass or co	eramic matrix compound.
Exemption List Version	EL-2011/534/EU				
Declaration Signature					
Instructions: Complete all of the required f Requester) and click on Submit Form to ha		ccepted" on the Supplier Acceptance	drop-down. This will dis	play the signature area. Digital	lly sign the declaration (if required by the
Supplier Digital Signature Ra	astislav Drska	E_			

## **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
Capacitor	0.9	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		0.147	mg
			Supplier	Boron Trioxide (B2O3)	1303-86-2		0.0058	mg
			Supplier	Tin (Sn)	7440-31-5		0.07	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.0232	mg
			Supplier	Misc.	Proprietary Data		0.049	mg
			Supplier	Barium Monoxide (BaO)	1304-28-5		0.294	mg
			В	Nickel (Ni)	7440-02-0		0.05	mg
			Supplier	Copper (Cu)	7440-50-8		0.261	mg
Die	4.889605	mg	Supplier	Silicon (Si)	7440-21-3		4.8896	mg
Laminate Board	36.830296	mg		Defoamers	n/a		0.0006	mg
			Supplier	Phthalocyanine blue	N/A		0.0123	mg
			Supplier	Organic Filler	N/A		0.0123	mg
			Supplier	Acrylate resin	N/A		0.8572	mg
			Supplier	Diproplyeneglycolmonomethylether	34590-97-8		0.0019	mg
			Supplier	Cured Thermosetting Resin	Proprietary Data		5.6678	mg
			Supplier	Silica	Proprietary Data		0.0001	mg
			Supplier	Talc	14807-96-6		0.0612	mg
			Supplier	3-methoxy-3-methylbutylacetate	103429-90-9		0.0037	mg
			Supplier	Naphthalene	91-20-3		0.0003	mg
			Supplier	Fiber Glass (SiO2)	65997-17-3		5.6678	mg
			Supplier	Photoinitiator	Proprietary Data		0.0006	mg
			Supplier	Palladium (Pd)	7440-05-3		0.0005	mg
			В	Nickel (Ni)	7440-02-0		0.0009	mg
			Supplier	Gold (Au)	7440-57-5		0.0004	mg
			Supplier	Solvent Naphtha (Solvent oil)	64742-94-5		0.0006	mg
			Supplier	Copper (Cu)	7440-50-8		23.8076	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7		0.7347	mg
Mold Compound-Black	14.5	mg		Epoxy resin	proprietary data		1.16	mg
			Supplier	Phenol Resin	Proprietary Data		0.725	mg
			Supplier	Metal Hydroxide	Proprietary Data		0.145	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		3.625	mg
			Supplier	Carbon Black (C)	1333-86-4		0.145	mg

			Supplier	Fused Silica (SiO2)	60676-86-0		8.7	mg
Resistor	0.04067	mg	Supplier	C.I. Pigment Black	68186-91-4		0.0005	mg
			Supplier	Epoxy Resin	25068-38-6		0.0003	mg
			Supplier	Glass Frit	65997-18-4	7c	0	mg
			Supplier	Boron (B)	7440-42-8		0	mg
			Supplier	Silver (Ag)	7440-22-4		0.0014	mg
			Supplier	Tin (Sn)	7440-31-5		0.0027	mg
			В	Bismuth Trioxide (Bi2O3)	1304-76-3		0.0003	mg
			Supplier	Magnesium Monoxide (MgO)	1309-48-4		0.0006	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.0006	mg
			Supplier	Palladium (Pd)	7440-05-3		0.0001	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.0284	mg
			Supplier	Ruthenium Oxide (RuO2)	12036-10-1		0.0004	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		0	mg
			В	Nickel (Ni)	7440-02-0		0.0052	mg
Solder Paste	3.089286	mg	Supplier	2-(2-Hexyloxyethoxy) ethanol	112-59-4		0.1236	mg
			Supplier	Denatured Acid Hydrogenation Rosin	Proprietary		0.1236	mg
			Supplier	Dimer Acid	Proprietary		0.0618	mg
			Supplier	Silver (Ag)	7440-22-4		0.0927	mg
			Supplier	Tin (Sn)	7440-31-5		2.6568	mg
			Supplier	Copper (Cu)	7440-50-8		0.0309	mg
Wire Bond - Au	0.647515	mg	Supplier	Gold (Au)	7440-57-5		0.6475	mg