ASSOCIATION ELECTRONICS	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under bot international and Pan-American copyright conventions.				nder both	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.										
1752-21.1					Form Type Distribute	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information					
Supplier	Information															
Company r	name*	Company unique ID			Ţ	Unique ID Authority					Response Date*					
onsemi												2023-06-08				
Contact Na	nme		Title - Contact			1	Phone - Contact*				Email - Contact*					
Product-E	nv-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
Authorized	Representative*		Title - Representative			I	Phone - Representative*				Email - Representative*					
Product-E	nv-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Da	ective Date   Version   Manufacturing S		uring Site	Weight*		UOM	1	Unit Type	
		FAN23SV70AMPX 20A		20A Buck Regulator		2023-06-08			РВВ			86.261	mg		Each	
Manufac	turing Process Informat	tion		,								1		,		
7	Terminal Plating / Grid Array Ma	Terminal Base Alloy J-STD-020 MS		L Rating	Peak Process Body Tempera		ture   Max Time at Peak Ter		Temperat	ure Nu	mber of Refle	ow Cycles				
Matte Tin (Sn) - annealed C			CU Alloy 1				<b>260</b> C		30		secon	ids 3				
Comments																
evel 1 - ma	ximum time at peak temperatu	re during sol	dering is 10-3	0 seconds												
'or more i	nformation regarding material	composition <b>j</b>	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).											
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.											
RoHS Declaration * 4 - Item(s	) does not contain RoHS restricted substance	s per the definition above except for selected exemp	tions Supplier Acceptance	* Accepted							
Exemption: 7a: Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).											
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required f Requester) and click on Submit Form to ha		Accepted" on the Supplier Acceptance drop-dow	n. This will display the signature area. Digita	lly sign the declaration (if required by the							
Supplier Digital Signature Ra	astislav Drska	-En									

## **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).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Clip	4.062	mg	Supplier	Zinc (Zn)	7440-66-6		0.0049	mg
			Supplier	Iron (Fe)	7439-89-6		0.0955	mg
			Supplier	Copper (Cu)	7440-50-8		3.9604	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0012	mg
Die	1.14	mg	Supplier	Silicon (Si)	7440-21-3		1.14	mg
Die Attach Solder	1.568	mg	Supplier	Silver (Ag)	7440-22-4		0.0392	mg
			A	Lead (Pb)	7439-92-1	7a	1.4504	mg
			Supplier	Tin (Sn)	7440-31-5		0.0784	mg
Lead Frame	30.983	mg	Supplier	Zinc (Zn)	7440-66-6		0.0372	mg
			Supplier	Iron (Fe)	7439-89-6		0.7281	mg
			Supplier	Copper (Cu)	7440-50-8		30.2084	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0093	mg
Mold Compound-Black	45.784	mg	Supplier	Carbon Black (C)	1333-86-4		0.2289	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		40.061	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		2.747	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		2.747	mg
Plating	1.78	mg	Supplier	Tin (Sn)	7440-31-5		1.78	mg
Wire Bond - Au	0.658	mg	Supplier	Gold (Au)	7440-57-5		0.658	mg
Wire Bond - Cu	0.286	mg	Supplier	Copper (Cu)	7440-50-8		0.286	mg