ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® Internation	al Composition De ght 2005. IPC, Bannock onal and Pan-American c	claration burn, Illinois. A opyright conve	All rights reserved un ntions.	nder both	This docume level parts, tl	ent is a declaration en	n of the substanc compasses all lo	es within the manu wer level materials	facturer liste for which the	d item. Note: e manufacture	if the item is an as er has engineering	ssembly with low responsibility.	
(5)_)	IPC Web Site for Information on IPC-1752 Standard Form Ty				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				faterials and	als and Mfg Information			
upplier Information													
ompany name*	Company un	Company unique ID			Unique ID Authority				Response Date*				
nsemi									2023-06-08				
ontact Name	Title - Conta	Title - Contact			Phone - Contact*				Email - Contact*				
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
uthorized Representative*	Title - Repre	Title - Representative			Phone - Representative*			Emai	Email - Representative*				
roduct-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Requester Item Number Mfr Iten		n Number Mfr Item Name				Effective Date	Version	Version Manufacturing Site CPA		Weight*	UOM	Unit Type	
	FSB504	FSB50450UD SPM5 V1.5 INV		√ 500V 2.40hm		2023-06-08				3355.2	mg	Each	
Ianufacturing Proccess	Information												
Terminal Plating / Grid Array Material Ter		Terminal Base	erminal Base Alloy J-STD-020 MSL		Rating	Peak Process Body Temperature Ma		ture Max Time at	Peak Tempe	rature Num	ber of Reflow Cyc	cles	
Matte Tin (Sn) - annealed		CU Alloy NA			0 C 30		30	sec	onds 3				
omments													
or more information regardin	g 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), Disobutyl phthalate (DIBP).									
cadmium, hexavalentchromium, polybromina contains a RoHS restricted substance inexces encompass all such components. Supplier cer as of the date that Supplier completes this for Company acknowledges that Supplier may h independently verified information provided certification in this paragraph. If the Company	ated biphenyls and/or polybrominated dip s of an applicable quantity limit, please in iffies that it gathered the information it pr m.Supplier acknowledges that Company ave relied on informationprovided by oth by others, Supplier agrees that, at a minir and the Supplier enter into a written agr esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substa ndicate below which, if any, RoHS exemption ovides in this form using appropriate methoo will rely on this certification in determining ers in completing this form, and that Supplie num, itssuppliers have provided certification eement with respect to the identified part, the Company's remedies for issues that arise reg	nce") in exco n you believe ls to ensure i the compliar r may not ha s regarding t terms and co	e may apply. If the part is an assembly with low s accuracy and that such information is true an ce of its products with European Union member de independently verified such information. Ho neir contributions to the part, and those certifica	ove. If a homogeneous material within the part er level components, the declaration shall d correct to the best of its knowledge and belief, er state laws that implement the RoHS Directive. wever, in situations where Supplier has not ations 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 subst	ances per the definition above except for sele	ected exempt	ions Supplier Acceptance	* Accepted					
Exemption: 7a: Lead in high melting temp	erature type solders (i.e. lead based sol	der alloys containing 85% by weight or m	ore lead).							
Exemption List Version	EL-2011/534/EU									
Declaration Signature										
Instructions: Complete all of the required Requester) and click on Submit Form to h			e drop-dowi	a. This will display the signature area. Digita	lly sign the declaration (if required by the					
Supplier Digital Signature	astislav 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	24.0	mg	Supplier	Silicon (Si)	7440-21-3		24	mg
Die Attach	6.0	mg	Supplier	Silver (Ag)	7440-22-4		4.56	mg
			Supplier	Phenolic Resin-2	54208-63-8		1.44	mg
Die Attach Solder	4.8	mg	Supplier	Silver (Ag)	7440-22-4		0.12	mg
			А	Lead (Pb)	7439-92-1	7a	4.44	mg
			Supplier	Tin (Sn)	7440-31-5		0.24	mg
Lead Frame	1370.0	mg	Supplier	Silver (Ag)	7440-22-4		20.002	mg
			В	Nickel (Ni)	7440-02-0		30.003	mg
			Supplier	Iron (Fe)	7439-89-6		1.37	mg
			Supplier	Copper (Cu)	7440-50-8		1318.214	mg
			Supplier	Phosphorus (P)	7723-14-0		0.411	mg
Mold Compound-Black	1890.0	mg	Supplier	2,6-dibromo-4-[1-(3-bromo-4- hydroxyphenyl)-1-methylethyl]phenol	6386-73-8		37.8	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		274.05	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		56.7	mg
			Supplier	Carbon Black (C)	1333-86-4		9.45	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1512	mg
Plating	56.4	mg	Supplier	Tin (Sn)	7440-31-5		56.4	mg
Wire Bond - Cu	4.0	mg	Supplier	Palladium (Pd)	7440-05-3		0.08	mg
			Supplier	Copper (Cu)	7440-50-8		3.92	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).