ASSOCIATION CONNECTING	Material Composi © Copyright 2005. IPC, international and Pan-Ar	Bannockb	urn, Illinois. A	Il rights reserved untions.	nder both	This docume level parts, t	ent is a declara he declaration	ion of the sencompasse	substances es all lowe	within the manufacture to the manufacture of the materials for waterials	rer listed	item. Note: it nanufacturer	f the item is an as has engineering	ssembly with lowe responsibility.	
1752-21.1	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 Materia					als and Mfg Information				
Supplier Inform	ation														
Company name*			Company unique ID			-	Unique ID Authority				Respon	Response Date*			
onsemi											2023-00	2023-06-08			
Contact Name			Title - Contact				Phone - Contact*				Email -	Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorized Representative*			Title - Representative				Phone - Representative*				Email -	Email - Representative*			
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Requester	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Dat	Date Version Manufacturing Site		Anufacturing Site		Weight*	UOM	Unit Type	
		FSB5045	SB50450US SPM5 V1.5 INV		500V 2.40hm		2023-06-08	-08 T.		ТАВ		3355.2	mg	Each	
Aanufacturing I	Proccess Information	n													
Terminal Plating / Grid Array Material Termina			erminal Base A	al Base Alloy J-STD-020 MSL		L Rating	Peak Process Body Temperat		Femperatur	ture Max Time at Peak Ten		ture Numb	er of Reflow Cyc	cles	
Matte Tin (Sn) - annealed CU Allo			U Alloy	3			260 C 30			seconds 3					
omments															
TTENTION: MSL	3 Rated item requires Ba	ake and D	ry Pack (after	electrical test)											
or more informatio	n regarding material con	position j	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).										
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 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 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).