	Material Compo © Copyright 2005. IF international and Pan	PC, Bannockb	ourn, Illinois. A	All rights reserved un ntions.	nder both	This docume level parts, t	ent is a declarati he declaration e	on of the sub- ncompasses a	stances wi all lower le	thin the manufactur evel materials for w	er listed it hich the m	em. Note: if nanufacturer	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				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				als and Mfg Information					
Supplier	r Information													
Company name* Comp				ompany unique ID			Unique ID Authority				Response Date*			
onsemi											2024-05-18			
Contact N	lame		Title - Contact]	Phone - Contact*				Email - Contact*			
Product-I	Env-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*	Title - Representative]	Phone - Representative*				Email - Representative*				
Product-I	Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
	Requester Item Number Mfr Item FFSH506						Effective Date	tive Date Version Manufacturing Site		nufacturing Site	1	Weight*	UOM	Unit Type
							2024-05-18 CPA		5	5321.033	mg	Each		
/Ianufa	cturing Proccess Informat	tion						1						
	Terminal Plating / Grid Array Material		Cerminal Base Alloy J-STD-020 M		-STD-020 MSI	L Rating	Peak Process Body Temperat		nperature	ure Max Time at Peak Temper		ure Numbe	er of Reflow Cyc	cles
	Matte Tin (Sn) - annealed		CU Alloy NA			0 C		2	30	secon	ds 3			
Comments	3													
or more	information regarding material	composition	please refer to	page 3										

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	amending RoHS 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 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	32.0	mg	Supplier	Silicon Carbide	409-21-2		32	mg
Die Attach Solder	23.353	mg	Supplier	Silver (Ag)	7440-22-4		0.5838	mg
			А	Lead (Pb)	7439-92-1	7a	21.6015	mg
			Supplier	Tin (Sn)	7440-31-5		1.1677	mg
Lead Frame	3488.88	mg	В	Nickel (Ni)	7440-02-0		1.7444	mg
			Supplier	Iron (Fe)	7439-89-6		3.4889	mg
			Supplier	Copper (Cu)	7440-50-8		3482.5999	mg
			Supplier	Phosphorus (P)	7723-14-0		1.0467	mg
Mold Compound-Black	1739.8	mg	Supplier	Polymer(phenyl glycidil ether)-co- dicyclopentadiene	119345-05-0		86.99	mg
			Supplier	Proprietary	Proprietary Data		86.99	mg
			Supplier	Carbon Black (C)	1333-86-4		8.699	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		78.291	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1304.8501	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		86.99	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		86.99	mg
Plating	31.0	mg	Supplier	Tin (Sn)	7440-31-5		31	mg
Wire Bond - Al	6.0	mg	Supplier	Aluminum (Al)	7429-90-5		6	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).