IPC ASSOCIATION ELECTRONIC	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both 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	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials					als and Mf	ls and Mfg Information			
Supplie	r Information														
Company name* Company uniq				ique ID t			Unique ID Authority					Response Date*			
onsemi												2024-05-20			
Contact N	lame		Title - Contact]	Phone - Contact*					Email - Contact*			
Product-l	Env-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorize	ed Representative*	Title - Representative]	Phone - Representative*				Email - Representative*					
Product-l	Env-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Da	ate Ve	Version Manufacturing Site		V	Veight*	UOM	Unit Type	
		FSBB200	CH120DF	SPM3V INV 1200V 20A Opt			2024-05-20			СРА		1	6492.363	mg	Each
Manufa	cturing Proccess Informati	ion						,							
	Terminal Plating / Grid Array Material		Cerminal Base Alloy J-STD-020 MS		Rating	Peak Process Body Temperatu		ure Max Time at Peak Tempera		Temperatu	ire Numbe	r of Reflow Cyc	eles		
	Matte Tin (Sn) - annealed		CU Alloy NA			0 C		30		seconds 3					
Comments	3														
or more	information regarding material c	omposition)	please refer to	page 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	led						
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, polybromir contains a RoHS restricted substance inexce encompass all such components. Supplier ce as of the date that Supplier completes this fo Company acknowledges that Supplier may l independently verified information provided certification in this paragraph. If the Compan	nated biphenyls and/or polybrominated dipless of an applicable quantity limit, please intifies that it gathered the information it prome. Supplier acknowledges that Company have relied on information provided by other by others, Supplier agrees that, at a mining and the Supplier enter into a written agree esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substational substance below which, if any, RoHS exemption by desired in this form using appropriate method will rely on this certification in determining ters in completing this form, and that Supplies have provided certification between the will respect to the identified part, the Company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects the company is the company that the company tha	ws of the European Union member states) of the pnce") in excess of the applicable quantity limit iden you believe may apply. If the part is an assemble is to ensure its accuracy and that such information the compliance of its products with European Union may not have independently verified such informs regarding their contributions to the part, and tho terms and conditions of that agreement, including the provides in this formation information the Supplier provides in this formation.	entified above. If a y with lower level is true and correct on member state la nation. However, in se certifications are any warranty rigl	n homogeneous material within the part components, the declaration shall t to the best of its knowledge and belief, aws that implement the RoHS Directive. In situations where Supplier has not the at least as comprehensive as the this and/or remedies provided as part of						
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substa	ances per the definition above	Supplier Ac	ceptance *	Accepted						
Exemption: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructional Complete all of the required	fields on all neggs of this form. Calcut th		a duan dawn. This will display the signature on	a Digitally sign	the declaration (if recruired by the						
Instructions: Complete all of the required Requester) and click on Submit Form to			e drop-down. This will display the signature ar	ea. Digitally sign	the declaration (if required by the						

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
Die	67.7	mg	Supplier	Silicon (Si)	7440-21-3		67.7	mg
Die Attach	31.4	mg	Supplier	Silver (Ag)	7440-22-4		0.785	mg
			Supplier	Tin (Sn)	7440-31-5		29.045	mg
			Supplier	Copper (Cu)	7440-50-8		1.57	mg
Die Attach2	0.163	mg	Supplier	Poly(oxypropylene)diamine	9046-10-0		0.0049	mg
			Supplier	Miscellaneous	Trade Secret		0.0082	mg
			Supplier	Silver (Ag)	7440-22-4		0.1386	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0114	mg
Heat Sink	1880.0	mg	Supplier	Aluminum (Al)	7429-90-5		1880	mg
Lead Frame	4318.38	mg	Supplier	Silver (Ag)	7440-22-4		1.47	mg
			Supplier	Iron (Fe)	7439-89-6		5.18	mg
			Supplier	Copper (Cu)	7440-50-8		4309.998	mg
			Supplier	Phosphorus (P)	7723-14-0		1.73	mg
Mold Compound-Black	10122.0	mg	Supplier	2,6-dibromo-4-[1-(3-bromo-4-hydroxyphenyl)-1-methylethyl]phenol	6386-73-8		303.66	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		2024.4	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		253.05	mg
			Supplier	Carbon Black (C)	1333-86-4		101.22	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		7439.6699	mg
Plating	53.3	mg	Supplier	Tin (Sn)	7440-31-5		53.3	mg
Wire Bond - Al	18.3	mg	Supplier	Aluminum (Al)	7429-90-5		18.3	mg
Wire Bond - Au	1.12	mg	Supplier	Gold (Au)	7440-57-5		1.12	mg