IPC ASSOCIATION ELECTRONIC	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.				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 Type http://www.ipc.org/IPC-175x Form Type Distribute				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materia					als and M	als and Mfg Information				
Supplie	r Information														
Company name* Company u				y unique ID			Unique ID Authority					Response Date*			
onsemi												2023-06-08			
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 D	ate V	Version	Manufacturing Site		V	Weight*	UOM	Unit Type
		FSBB15CH120DF SPM		SPM3V INV 1200V 15A Opt 1		2023-06-08			СРА		1	5140.977	mg	Each	
Manufa	cturing Process Informat	ion					1					,		,	
	Terminal Plating / Grid Array Material T		Cerminal Base Alloy J-STD-020 MS		L Rating	Peak Process Body Temperatu		re Max 7	Time at Peak	Temperat	ure Numbe	r of Reflow Cy	eles		
	Matte Tin (Sn) - annealed		CU Alloy NA			0 C		30 seco		secon	ds 3				
Comments	3														
or more	information regarding material o	composition	please refer to	page 3				-	•					•	_

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
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 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 informationprovided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Suppliers have 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 * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	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											
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	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	119.273	mg	Supplier	Silicon (Si)	7440-21-3		119.273	mg
Die Attach	63.1609	mg	Supplier	Silver (Ag)	7440-22-4		3.7897	mg
			Supplier	Tin (Sn)	7440-31-5		58.108	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		1.2632	mg
Die Attach Epoxy	3.1824	mg	Supplier	Poly(oxypropylene)diamine	9046-10-0		0.0955	mg
			Supplier	Miscellaneous	Trade Secret		0.1591	mg
			Supplier	Silver (Ag)	7440-22-4		2.705	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.2228	mg
Heat Sink	2416.55	mg	Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		942.4545	mg
			Supplier	Copper (Cu)	7440-50-8		1474.0956	mg
Lead Frame	3026.94	mg	Supplier	Silver (Ag)	7440-22-4		0.0303	mg
			Supplier	Iron (Fe)	7439-89-6		3.0269	mg
			Supplier	Copper (Cu)	7440-50-8		3022.9746	mg
			Supplier	Phosphorus (P)	7723-14-0		0.9081	mg
Mold Compound-Black	9345.94	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		560.7564	mg
			Supplier	Carbon Black (C)	1333-86-4		93.4594	mg
			Supplier	Silica (SiO2)	14464-46-1		8130.9683	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		560.7564	mg
Plating	113.724	mg	Supplier	Tin (Sn)	7440-31-5		113.724	mg
Wire Bond - Al	50.409	mg	Supplier	Aluminum (Al)	7429-90-5		50.409	mg
Wire Bond - Au	1.79769	mg	Supplier	Gold (Au)	7440-57-5		1.7977	mg