IPC ASSOCIATION ELECTRONIC	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under international and Pan-American copyright conventions.			nder both				ices within the ma ower level materia					
752-21.1		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 Mater				Materials and	rials and Mfg Information			
uppliei	r Information													
Company name*				Company unique ID			Unique ID Authority				Response Date*			
onsemi											2024-05-21			
ontact N	Jame	Title - Contact			P	Phone - Contact*				Email - Contact*				
?roduct-I	Env-Stewards		Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*	Title - Representative			P	Phone - Representative*			Ema	Email - Representative*				
roduct-I	Env-Stewards	Product Enviro Compliance			I	NA				Product-Env-Stewards@onsemi.com				
	Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective Date	Version	Manufacturing	Manufacturing Site		UOM	Unit Type	
	FFSP20120A SiC TO220 SBD 2		20A 1200V		2024-05-21 CPA			1978.421	mg	Each				
lanufa	cturing Process Inform		Terminal Base	Alloy	-STD-020 MSI	Dating	Pank Proga	ss Pody Tompo	rature Max Time	at Dook Town	oroturo Numb	er of Reflow Cy	olos	
	3		CU Alloy NA			2 Kating	0	C	30	1.	conds 3	er of Kellow Cy	cies	
omments	, ,		CU Andy	1	ın_				130	SC	conds 3			
minents	)													
r more	information regarding materia	al composition	nlagga rafor t	n naga 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).										
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 it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledges 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 information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its 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 have provided as part of that agreement, will be the sole and exclusivesource of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale app										
RoHS Declaration * 4 - Item(s	) does not contain RoHS restricted substance	s per the definition above except for selected exemp	tions 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 f Requester) and click on Submit Form to ha		Accepted" on the Supplier Acceptance drop-dow	n. This will display the signature area. Digita	lly sign the declaration (if required by the						
Supplier Digital Signature Ra	astislav Drska	-En								

## **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	2.81	mg	Supplier	Silicon Carbide	409-21-2		2.81	mg
Die Attach Solder	1.111	mg	Supplier	Silver (Ag)	7440-22-4		0.0278	mg
			A	Lead (Pb)	7439-92-1	7a	1.0277	mg
			Supplier	Tin (Sn)	7440-31-5		0.0555	mg
Lead Frame	1444.76	mg	В	Nickel (Ni)	7440-02-0		1.0113	mg
			Supplier	Iron (Fe)	7439-89-6		1.4448	mg
			Supplier	Copper (Cu)	7440-50-8		1441.8705	mg
			Supplier	Phosphorus (P)	7723-14-0		0.4334	mg
Mold Compound-Black	518.4	mg		Proprietary	proprietary data		25.92	mg
			Supplier	Carbon Black (C)	1333-86-4		2.592	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		386.208	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		77.76	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		25.92	mg
Plating	8.9	mg	Supplier	Tin (Sn)	7440-31-5		8.9	mg
Wire Bond - Al	2.44	mg	Supplier	Aluminum (Al)	7429-90-5		2.44	mg