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				stances within the manual lower level materials					
752-21.1		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 Mater				laterials and	ials and Mfg Information			
upplier	· Information													
ompany	name*	Company unique ID			U	Unique ID Authority				Response Date*				
onsemi											2024-05-08			
ontact Na	ame	Title - Contact			P	Phone - Contact*				Email - Contact*				
Product-E	Env-Stewards	Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com				
uthorized	d Representative*	Title - Representative			P	Phone - Representative*			Email	Email - Representative*				
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	Requester Item Number		Mfr Item Number Mfr Item Name				Effective Date	Version	Manufacturing Si	Manufacturing Site		UOM	Unit Type	
		FDPF39N20 UF 200V 66mOhr		n TO220F		2024-05-08	СРА			2112.34	mg	Each		
	cturing Process Informa		Terminal Base	Alloy	-STD-020 MS	I. Poting	Pook Proce	ss Pody Tow	perature Max Time at	Pook Tompo	roturo Numb	er of Reflow Cy	olos	
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or more i	information regarding materia	al composition	nlagga rafar ta	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 keloardine shall encompass all such components. 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 paragraph. If the Company and the Supplier shall applier of that agreement, will be the sole and exclusive source 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 applicable to such part shall apply.										
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 fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.										
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	13.5	mg	Supplier	Silicon (Si)	7440-21-3		13.5	mg
Die Attach	4.01	mg	Supplier	Silver (Ag)	7440-22-4		0.0602	mg
			A	Lead (Pb)	7439-92-1	7a	3.7494	mg
			Supplier	Tin (Sn)	7440-31-5		0.2005	mg
Lead Frame	1294.26	mg	Supplier	Tin (Sn)	7440-31-5		1.2943	mg
			Supplier	Copper (Cu)	7440-50-8		1292.9657	mg
Mold Compound-Black	784.93			Proprietary	proprietary data		39.2465	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		7.8493	mg
			Supplier	Carbon Black (C)	1333-86-4		3.9246	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		121.6641	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		47.0958	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		47.0958	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		518.0538	mg
Plating	13.2	mg	Supplier	Tin (Sn)	7440-31-5		13.2	mg
Wire Bond - Al	2.44	mg	Supplier	Aluminum (Al)	7429-90-5		2.44	mg