IPC ASSOCIATION ELECTRONIC	Material Com © Copyright 2005. international and P	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 low level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.								
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 Materi				s Materials an	ials and Mfg Information				
upplier	r Information													
ompany	name*	Company ur	Company unique ID			Unique ID Authority				Response Date*				
onsemi											2024-04-23			
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	Requester Item Number		Mfr Item Number Mfr Item Name				Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
		FFPF30UP20STU UFR TO220F2L P		PN 30A 200V		2024-04-23 CPA			2084.4	mg	Each			
lanufa	cturing Process Inform		r	A11	-STD-020 MSI	Datina	De els Desere	De des Transcon	Mary Time	ot Dools Trans	Nl	or of Deflect Co	-1	
			Terminal Base Alloy J-STD-C CU Alloy NA			L Kanng		Peak Process Body Temperature Max Time at Pea		Ι.	k Temperature Number of Reflow Cycles seconds 3			
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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 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 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 appli										
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	13.9	mg	Supplier	Silicon (Si)	7440-21-3		13.9	mg
Die Attach	7.37	mg	Supplier	Silver (Ag)	7440-22-4		0.1474	mg
			A	Lead (Pb)	7439-92-1	7a	6.4856	mg
			Supplier	Tin (Sn)	7440-31-5		0.737	mg
Lead Frame	1153.73	mg	Supplier	Silver (Ag)	7440-22-4		2.24	mg
			Supplier	Iron (Fe)	7439-89-6		1.15	mg
			Supplier	Copper (Cu)	7440-50-8		1149.9954	mg
			Supplier	Phosphorus (P)	7723-14-0		0.3446	mg
Mold Compound-Black	880.0	mg		Proprietary	proprietary data		44	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		8.8	mg
			Supplier	Carbon Black (C)	1333-86-4		4.4	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		136.4	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		52.8	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		52.8	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		580.8	mg
Plating	26.4	mg	Supplier	Tin (Sn)	7440-31-5		26.4	mg
Wire Bond - Al	3.0	mg	Supplier	Aluminum (Al)	7429-90-5		3	mg