	Material Compo © Copyright 2005. IF International and Pan	C, Bannockb	ourn, Illinois. A	All rights reserved untions.	under both	This docume level parts, t	ent is a declarat he declaration e	ion of the encompas	substances ses all lowe	within the er level mat	manufactur erials for wl	er listed ite hich the m	em. Note:	if the item is an as or has engineering	sembly with lowe responsibility.
1752-21.1	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					als and Mfg Information					
Supplier	r Information														
Company name* Company				npany unique ID I			Unique ID Authority					Response Date*			
onsemi												2024-05-17			
Contact N	lame	Title - Contact			]	Phone - Contact*					Email - Contact*				
Product-I	Env-Stewards		Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*	Title - Representative			]	Phone - Representative*				Email - Representative*					
Product-I	Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	Date Version Manufacturing Site		ring Site	v	Veight*	UOM	Unit Type	
		FCPF380N65FL1- F154 SF2 650V 380mOl			Dhm F TO220F		2024-05-17 CP8				1	604.75	mg	Each	
/Ianufa	cturing Proccess Informat	ion													
	Terminal Plating / Grid Array Material		Terminal Base Alloy J-STD-02		J-STD-020 MS	L Rating	Peak Process Body Temperat		ure Max Time at Peak Tem		Temperatu	ire Num	ber of Reflow Cyc	les	
	Matte Tin (Sn) - annealed		CU Alloy NA			0 C 30		30		second	ls 3				
omments	3														
or more	information regarding material	composition	please refer to	o page 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).											
cadmium, hexavalentchromium, polybromina contains a RoHS restricted substance inexces encompass all such components. Supplier cer as of the date that Supplier completes this for Company acknowledges that Supplier may h independently verified information provided certification in this paragraph. If the Company that agreement, will be the sole and exclusive	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, admium, 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 ontains 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 ncompass 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, so fithe 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 ndependently verified information provided by others, Supplier agrees that, at a minimum, itsuppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the ertification in this paragraph. If the Company and the Supplier remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written 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 varrant											
RoHS Declaration * 4 - Item(	s) does not contain RoHS restricted subst	ances per the definition above except for sele	ected exempt	ions Supplier Acceptance	* Accepted							
Exemption: 7a: Lead in high melting temp	erature type solders (i.e. lead based sol	der alloys containing 85% by weight or m	ore lead).									
Exemption List Version	EL-2011/534/EU											
Declaration Signature												
Instructions: Complete all of the required Requester) and click on Submit Form to h			e drop-dowi	a. This will display the signature area. Digita	lly sign the declaration (if required by the							
Supplier Digital Signature	astislav Drska	Le										

## 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.

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	12.0	mg	Supplier	Silver (Ag)	7440-22-4		0.18	mg
			А	Lead (Pb)	7439-92-1	7a	11.22	mg
			Supplier	Tin (Sn)	7440-31-5		0.6	mg
Lead Frame	519.74	mg	В	Nickel (Ni)	7440-02-0		0.052	mg
			Supplier	Iron (Fe)	7439-89-6		0.52	mg
			Supplier	Copper (Cu)	7440-50-8		518.9988	mg
			Supplier	Phosphorus (P)	7723-14-0		0.169	mg
Mold Compound-Black	1049.51	mg		Phenolic Resin	proprietary data		52.4755	mg
			Supplier	Carbon Black (C)	1333-86-4		5.2476	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		57.723	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		73.4657	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		73.4657	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		787.1325	mg
Plating	5.0	mg	Supplier	Tin (Sn)	7440-31-5		5	mg
Wire Bond - Al	5.0	mg	Supplier	Aluminum (Al)	7429-90-5		5	mg

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).