ABBOCIATION CONNECTING LECTROMICS INDUSTRIES International and Participation of the second se	position De IPC, Bannockt an-American co	claration ourn, Illinois. <i>A</i> opyright conve	All rights reserved untions.	under both	This docume level parts, th	ent is a declaration er	on of the substan	ces within the ma ower level materia	nufacturer liste lls for which th	ed item. Note: i ne manufacturer	f the item is an as has engineering	ssembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Two				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				s Materials and	als and Mfg Information			
upplier Information													
ompany name*	Company unique ID			1	Unique ID Authority				Response Date*				
onsemi										2024-05-01			
Contact Name Title - Contact			ct	Pho		Phone - Contact	hone - Contact*			Email - Contact*			
Product-Env-Stewards Pr			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Representative			sentative	ative P		Phone - Represe	hone - Representative*			Email - Representative*			
roduct-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Requester Item Number			Mfr Item Name			Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
	FCPF38 F154	FCPF380N65FL1- F154 SF2 650V 380mC		Ohm F TO220F		2024-05-01 CP8			1604.75	mg	Each		
Ianufacturing Proccess Inform	ation												
Terminal Plating / Grid Array M	Aaterial Terminal Base Alloy		Alloy	J-STD-020 MSI	L Rating	Peak Process Body Tempera		ature Max Time	at Peak Temp	erature Numb	er of Reflow Cy	cles	
Matte Tin (Sn) - annealed		CU Alloy NA			0	0 C 30		se	seconds 3				
omments													
or more information regarding materia	l composition	please refer to	page 3										

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chro	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 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, itsuppliers 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'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 andConditions of Sale applicable to such part shall apply.											
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).