ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® INCLUSTRIES®	<b>nposition De</b> 5. IPC, Bannockt Pan-American co	<b>claration</b> ourn, Illinois. <i>A</i> opyright conve	All rights reserved u ntions.	nder both	This docume level parts, t	ent is a declaration er	on of the substan acompasses all lo	ces within the ma wer level materia	nufacturer lis	sted item. Note: i the manufacture	f the item is an a has engineering	ssembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				<ul> <li>Declaration Class *</li> <li>Class 6 - RoHS Yes/No, Homogeneous Mater</li> </ul>				s Materials ar	ials and Mfg Information			
upplier Information													
Company name*			Company unique ID			Unique ID Authority				Response Date*			
onsemi										2024-05-14			
Contact Name Title - Contact			act J			Phone - Contact*				Email - Contact*			
Product-Env-Stewards Pr			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Represe			esentative I		Phone - Representative*			Em	Email - Representative*				
Product-Env-Stewards Pro			Product Enviro Compliance			NA			Pro	Product-Env-Stewards@onsemi.com			
Requester Item Number	Requester Item Number Mfr Iten		n Number Mfr Item Name			Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
	FGAF40	FGAF40N60UFTU PTPIGBT TO3P		5 40A 600V		2024-05-14 CPA		СРА		5601.57	mg	Each	
Ianufacturing Proccess Inform	nation												
Terminal Plating / Grid Array	Terminal Plating / Grid Array Material Terminal Bas		Alloy J-STD-020 MSL Ra		L Rating	Peak Process Body Temperature N		ature Max Time	at Peak Tem	perature Numb	er of Reflow Cy	cles	
Matte Tin (Sn) - annealed		CU Alloy NA			0	0 C		s	seconds 3				
omments													
or more information regarding mater	ial 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), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP).									
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, 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 is used to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's liability and the Company's remedies for usus that arise regarding information the Supplier provides in this form. In the absence of such											
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	6.19	mg	Supplier	Silicon (Si)	7440-21-3		6.19	mg
Die Attach	1.84	mg	Supplier	Silver (Ag)	7440-22-4		0.0276	mg
			A	Lead (Pb)	7439-92-1	7a	1.7204	mg
			Supplier	Tin (Sn)	7440-31-5		0.092	mg
Lead Frame	2760.21	mg	Supplier	Silver (Ag)	7440-22-4		6.62	mg
			Supplier	Iron (Fe)	7439-89-6		2.76	mg
			Supplier	Copper (Cu)	7440-50-8		2750.0027	mg
			Supplier	Phosphorus (P)	7723-14-0		0.8275	mg
Mold Compound	2807.7	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		294.8085	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		14.0385	mg
			Supplier	Carbon Black (C)	1333-86-4		14.0385	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		294.8085	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		112.308	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		2077.698	mg
Plating	22.9	mg	Supplier	Tin (Sn)	7440-31-5		22.9	mg
Wire Bond - Al	2.73	mg	Supplier	Aluminum (Al)	7429-90-5		2.73	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).