ABBOCIATION CONNECTING LECTROMICS INDUSTRIES	<b>position De</b> . IPC, Bannockt Pan-American co	<b>claration</b> ourn, Illinois. <i>A</i> opyright conve	All rights reserved untions.	under both	This docume level parts, t	ent is a declaration en	n of the substand compasses all lo	es within the manu wer level materials	for which the	d item. Note: i e manufacturer	f the item is an as has engineering	ssembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Ty			Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				Materials and	ials and Mfg Information			
upplier Information													
Company name*			Company unique ID			Unique ID Authority				Response Date*			
onsemi										2024-05-11			
Contact Name Title - Contact			ict I			Phone - Contact*			Emai	Email - Contact*			
Product-Env-Stewards Pr			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Representative			Representative			Phone - Representative*			Emai	Email - Representative*			
Product-Env-Stewards Pro			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Requester Item Number Mfr Iter		n Number Mfr Item Name				Effective Date	Version	Manufacturing S	ite	Weight*	UOM	Unit Type	
	FGH40T F155	FGH40T65SHDF- F155 FS3TIGBT TO2		7 40A 650V		2024-05-11 CPA		СРА		5456.725	mg	Each	
Ianufacturing Proccess Inform	ation												
Terminal Plating / Grid Array	ninal Plating / Grid Array Material Terminal Base A		Alloy	J-STD-020 MSI	L Rating	Peak Process Body Temperature Max Time at Peal			t Peak Tempe	k Temperature Number of Reflow Cycles			
Matte Tin (Sn) - annealed		CU Alloy NA			0	0 C 30		sec	seconds 3				
omments													
or more information regarding materi	al 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 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, itssuppliers 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 into a written agreement with respect 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 issues that arise regarding information the Supplier provides in											
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	32.0	mg	Supplier	Silicon (Si)	7440-21-3		32	mg
Die Attach Solder	35.025	mg	Supplier	Silver (Ag)	7440-22-4		0.8756	mg
			А	Lead (Pb)	7439-92-1	7a	32.3981	mg
			Supplier	Tin (Sn)	7440-31-5		1.7512	mg
Lead Frame	3643.9	mg	Supplier	Zinc (Zn)	7440-66-6		1.4576	mg
			В	Nickel (Ni)	7440-02-0		119.1555	mg
			Supplier	Iron (Fe)	7439-89-6		2.1863	mg
			Supplier	Copper (Cu)	7440-50-8		3520.0071	mg
			Supplier	Phosphorus (P)	7723-14-0		1.0932	mg
Mold Compound-Black	1739.8	mg	Supplier	2,6-dibromo-4-[1-(3-bromo-4- hydroxyphenyl)-1-methylethyl]phenol	6386-73-8		20.9	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		283.9998	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		34.9	mg
			Supplier	Carbon Black (C)	1333-86-4		17.3999	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1382.6	mg
Wire Bond - Al	6.0	mg	Supplier	Aluminum (Al)	7429-90-5		6	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).