ASSOCIATION CONNECTING ELECTROMICS INDUSTRIES*	position De . IPC, Bannockt Pan-American co	c laration ourn, Illinois. A opyright conve	All rights reserved u ntions.	nder both	This docume level parts, t	ent is a declaration entities the declaration entities and the declaration entities and the declaration entities and the declaration entities are also been as the declaration entities are also been	on of the substan	ces within the man ower level materials	ufacturer listed s for which the	d item. Note: i e manufacturer	f the item is an as has engineering	sembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Ty http://www.ipc.org/IPC-175x Distribut				e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				Materials and	ials and Mfg Information			
upplier Information													
ompany name*	Company unique ID			1	Unique ID Authority				Response Date*				
onsemi										2024-04-25			
Contact Name Title - C			itle - Contact			Phone - Contact*				Email - Contact*			
Product-Env-Stewards F			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Authorized Representative* Title			Title - Representative			Phone - Representative*			Email	Email - Representative*			
Product-Env-Stewards Pro			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Requester Item Number	Requester Item Number Mfr Item					Effective Date	Version	Manufacturing S	Site	Weight*	UOM	Unit Type	
	FGAF40	FGAF40S65AQ 650V 404		V 40A FS4 SA IGBT		2024-04-25		KR8		5601.57	mg	Each	
Ianufacturing Proccess Inforn	ation					•	-			·			
Terminal Plating / Grid Array	Ferminal Plating / Grid Array Material Terminal Base		Alloy J	J-STD-020 MSL Rating		Peak Process Body Temperature M		ature Max Time a	t Peak Tempe	rature Numb	er of Reflow Cy	cles	
Matte Tin (Sn) - annealed		CU Alloy NA		NA		0	0 C		sec	onds 3			
omments													
or more information regarding mater	al composition	please refer to	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	lease 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 noncompass 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, s 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 idependently 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 remote with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of nat 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									
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
			А	Lead (Pb)	7439-92-1	7a	1.7204	mg
			Supplier	Tin (Sn)	7440-31-5		0.092	mg
Lead Frame	2760.21	mg	В	Nickel (Ni)	7440-02-0		0.7177	mg
			Supplier	Copper (Cu)	7440-50-8		2758.5264	mg
			Supplier	Phosphorus (P)	7723-14-0		0.9658	mg
Mold Compound	2807.7	mg	Supplier	Polymer(phenyl glycidil ether)-co- dicyclopentadiene	119345-05-0		84.231	mg
			Supplier	Proprietary	Proprietary Data		42.1155	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		140.385	mg
			Supplier	Carbon Black (C)	1333-86-4		14.0385	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		421.155	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		140.385	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		1965.3899	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