IPC ASSOCIATION CON	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			der both	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.								
752-21.1		IPC Web Site for Information on IPC-1752 Standard  Form Typ  http://www.ipc.org/IPC-175x  Distribute				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ials and Mfc Information				
upplier In	formation								·					
Company name*			Company unique ID			J	Unique ID Authority				Response Date*			
nsemi										2025-05-10				
Contact Name	2	Title - Contact			I	Phone - Contact*				Email - Contact*				
Product-Env-	-Stewards		Product Enviro Compliance			]	NA				Product-Env-Stewards@onsemi.com			
uthorized Re	epresentative*	Title - Representative			I	Phone - Representative*				Email - Representative*				
Product-Env-	-Stewards	Product Enviro Compliance			]	NA				Product-Env-Stewards@onsemi.com				
Re	Requester Item Number		Mfr Item Number Mfr Item I		Item Name		Effective Date	Version	ı	Manufacturing Site		Veight*	UOM	Unit Type
		AFGB40	AFGB40T65RQDN 650V/40A FS4 SCR AUTOMOTIVE		R IGBT D2PA	K	2025-05-10		(	CPA	1	485.098	mg	Each
Ianufactu	ring Process Informa	ation												
Terminal Plating / Grid Array Material Te			Germinal Base Alloy J-STD-020 MSL			Rating	g Peak Process Body Temperature Max Time at Peal				Temperatu	ire Numb	er of Reflow Cy	cles
Matte Tin (Sn) - annealed		CU Alloy 1				260		С	30	second	ds 3			
omments														
vel 1 - maxin	num time at peak temperat	ture during sol	dering is 10-3	30 seconds										
or more info	rmation regarding materia	l composition	please refer t	o page 3										

RoHS Material Composition Declaration			Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU										
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 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 information provided 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, its suppliers 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 enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any 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 substance	s per the definition above except for selected exemp	tions Supplier Acceptance	* Accepted						
Exemption: 7a: Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).										
Exemption List Version	EL-2011/534/EU									
Declaration Signature										
Instructions: Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.										
Supplier Digital Signature Ra	astislav Drska	-En								

## **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.

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).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	12.3	mg	Supplier	Silicon (Si)	7440-21-3		12.3	mg
Die Attach Solder	7.33		Supplier	Silver (Ag)	7440-22-4		0.1832	mg
			A	Lead (Pb)	7439-92-1	7a	6.7803	mg
			Supplier	Tin (Sn)	7440-31-5		0.3665	mg
Lead Frame	860.318	mg	Supplier	Tin (Sn)	7440-31-5		1.0324	mg
			В	Nickel (Ni)	7440-02-0		0.4302	mg
			Supplier	Copper (Cu)	7440-50-8		858.8555	mg
Mold Compound-Black	595.0	mg		Epoxy resin	proprietary data		35.7	mg
			Supplier	Phenolic Resin	Proprietary Data		35.7	mg
			Supplier	Carbon Black (C)	1333-86-4		2.975	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		505.75	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		14.875	mg
Plating	5.52	mg	Supplier	Tin (Sn)	7440-31-5		5.52	mg
Wire Bond - Al	4.63	mg	Supplier	Aluminum (Al)	7429-90-5		4.63	mg