ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®	al Composition D ght 2005. IPC, Bannocl nal and Pan-American	eclaration burn, Illinois. A copyright 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 man wer level material	ufacturer liste s for which the	d item. Note: if e manufacturer	the item is an as has engineering	ssembly with low responsibility.	
(5) (1				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				Materials and	ials and Mfg Information			
upplier Information													
ompany name*	Company un	Company unique ID			Unique ID Authority				Response Date*				
nsemi									2025-06-06				
Contact Name '			Title - Contact			Phone - Contact*				Email - Contact*			
Product-Env-Stewards	Product Env	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
uthorized Representative*	Title - Repre	Title - Representative			Phone - Representative*			Emai	Email - Representative*				
roduct-Env-Stewards	Product Env	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Num	Requester Item Number Mfr Iter		n Number Mfr Item Name			Effective Date	Version	Manufacturing	Site	Weight*	UOM	Unit Type	
	AFGHI	AFGHL40T65SQD 650V40A FS4		IGBT TO-247LL		2025-06-06 CPA		СРА	СРА		mg	Each	
Ianufacturing Proccess	Information												
Terminal Plating / Gri	Terminal Plating / Grid Array Material		Yerminal Base Alloy J-STD-020 MS		L Rating	Peak Process Body Temperature Ma		ature Max Time a	at Peak Tempe	erature Numb	er of Reflow Cy	cles	
Matte Tin (Sn) - annealed		CU Alloy NA		NA		0 C		30	sec	conds 3			
omments													
or more information regardin	g material composition	n please refer to	p 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).									
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	ated biphenyls and/or polybrominated dip s of an applicable quantity limit, please in iffies that it gathered the information it pr m.Supplier acknowledges that Company ave relied on informationprovided by oth by others, Supplier agrees that, at a minir and the Supplier enter into a written agr esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substa ndicate below which, if any, RoHS exemption ovides in this form using appropriate methoo will rely on this certification in determining ers in completing this form, and that Supplie num, itssuppliers have provided certification eement with respect to the identified part, the Company's remedies for issues that arise reg	nce") in exco n you believe ls to ensure i the compliar r may not ha s regarding t terms and co	e may apply. If the part is an assembly with low s accuracy and that such information is true an ce of its products with European Union member de independently verified such information. Ho neir contributions to the part, and those certifica	ove. If a homogeneous material within the part er level components, the declaration shall d correct to the best of its knowledge and belief, er state laws that implement the RoHS Directive. wever, in situations where Supplier has not ations are at least as comprehensive as the anty rights and/or remedies provided as part of						
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	3612.9	mg	Supplier	Zinc (Zn)	7440-66-6		1.75	mg
			В	Nickel (Ni)	7440-02-0		117.9998	mg
			Supplier	Iron (Fe)	7439-89-6		2.1	mg
			Supplier	Copper (Cu)	7440-50-8		3489.9998	mg
			Supplier	Phosphorus (P)	7723-14-0		1.05	mg
Mold Compound-Black	1739.8	mg	Supplier	Brominated Epoxy Resin-2	68541-56-0		43.495	mg
			Supplier	Other Epoxy resins	Proprietary Data		52.194	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		34.796	mg
			Supplier	Carbon Black (C)	1333-86-4		8.699	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1513.6261	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		86.99	mg
Plating	31.0	mg	Supplier	Tin (Sn)	7440-31-5		31	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).