IPC ASSOCIATION ELECTRONICS	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved und 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 low 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 Mfg Information				
upplier	Information													
Company n	ame*	Company unique ID			J	Unique ID Authority				Response Date*				
nsemi										2024-05-16				
Contact Na	me	Title - Contact			I	Phone - Contact*				Email - Contact*				
Product-E	nv-Stewards		Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com			
uthorized	Representative*	Title - Representative			F	Phone - Representative*			Email - Representative*					
Product-E	nv-Stewards	Product Enviro Compliance]	NA				Product-Env-Stewards@onsemi.com				
	Requester Item Number	Mfr Item	Number Mfr Item Name				Effective Date	Version	N	Ianufacturing Site	W	eight*	UOM	Unit Type
	FDMC86184 FET 100V 8.5 mOhm		nm PQFN33		2024-05-16		P	PBB).635765	mg	Each		
	turing Proccess Inform													
Terminal Plating / Grid Array Material Terminal Base A			2				Peak Process Body Temperature Max Time at Peak Te							
N	Matte Tin (Sn) - annealed		CU Alloy	1			260		C	30	second	s 3		
omments														
vel 1 - ma	ximum time at peak tempera	ture during sol	dering is 10-3	30 seconds										
or more in	nformation regarding materia	al 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 have 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 this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale app											
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 f Requester) and click on Submit Form to ha		Accepted" on the Supplier Acceptance drop-dow	n. This will display the signature area. Digita	lly sign the declaration (if required by the							
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
Clip	8.097	mg	Supplier	Zinc (Zn)	7440-66-6		0.011	mg
			Supplier	Iron (Fe)	7439-89-6		0.194	mg
			Supplier	Copper (Cu)	7440-50-8		7.892	mg
Die	0.99	mg	Supplier	Silicon (Si)	7440-21-3		0.99	mg
Die Attach Solder	1.989	mg	Supplier	Silver (Ag)	7440-22-4		0.0497	mg
			A	Lead (Pb)	7439-92-1	7a	1.8398	mg
			Supplier	Tin (Sn)	7440-31-5		0.0994	mg
Lead Frame	20.211	mg	Supplier	Zinc (Zn)	7440-66-6		0.026	mg
			Supplier	Iron (Fe)	7439-89-6		0.485	mg
			Supplier	Copper (Cu)	7440-50-8		19.7	mg
Mold Compound-Black	14.236	mg		Proprietary	proprietary data		1.1389	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0712	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		13.0259	mg
Plating	25.1	mg	Supplier	Tin (Sn)	7440-31-5		25.1	mg
Wire Bond	0.012765	mg	Supplier	Palladium (Pd)	7440-05-3		0.0003	mg
			Supplier	Gold (Au)	7440-57-5		0	mg
			Supplier	Copper (Cu)	7440-50-8		0.0124	mg