IPC ASSOCIATION COINTELECTRONICS INI	© 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 lowe 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 Typhttp://www.ipc.org/IPC-175x Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ials and Mfc Information				
upplier In	nformation								,					
Company name*			Company unique ID			J	Unique ID Authority				Response Date*			
nsemi											2024-05-17			
Contact Name	e	Title - Contact			I	Phone - Contact*				Email - Contact*				
Product-Env	-Stewards		Product Enviro Compliance]	NA				Product-Env-Stewards@onsemi.com			
uthorized R	epresentative*	Title - Representative			I	Phone - Representative*				Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance]	NA				Product-Env-Stewards@onsemi.com			
Re	equester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	Version	N	Manufacturing Site		eight*	UOM	Unit Type
		FGD3N60UNDF NPTPIGB		NPTPIGBT TO252	TPIGBT TO252 3A 600V		2024-05-17 CPA		PA	29	1.831	mg	Each	
Ianufactu	ring Proccess Inform	ation									·		·	
	Terminal Plating / Grid Array Material Termina			rminal Base Alloy J-STD-020 MSL Rating			Peak Process Body Temperature Max Time at Peak				Temperatur	e Numb	er of Reflow Cyc	eles
Matte Tin (Sn) - annealed C			CU Alloy	1			260		С	30	seconds	3		
omments														
vel 1 - maxii	mum time at peak tempera	ture during sol	ldering is 10-	30 seconds										
or more info	ormation 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 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 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 provided as part of that agreement, will be the sole and exclusivesource of the Supplier's Itability 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 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	5.93	mg	Supplier	Silicon (Si)	7440-21-3		5.93	mg
Die Attach Solder	2.353	mg	Supplier	Silver (Ag)	7440-22-4		0.0588	mg
			A	Lead (Pb)	7439-92-1	7a	2.1765	mg
			Supplier	Tin (Sn)	7440-31-5		0.1176	mg
Lead Frame	150.208		Supplier	Tin (Sn)	7440-31-5		0.16	mg
			В	Nickel (Ni)	7440-02-0		0.048	mg
			Supplier	Copper (Cu)	7440-50-8		150	mg
Mold Compound-Black	129.0		Supplier	Ortho Cresol Novolac Resin	29690-82-2		25.8	mg
			Supplier	Carbon Black (C)	1333-86-4		1.29	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		101.91	mg
Plating	1.9	mg	Supplier	Tin (Sn)	7440-31-5		1.9	mg
Wire Bond - Al	2.44	mg	Supplier	Aluminum (Al)	7429-90-5		2.44	mg