ASSOCIATION ELECTRONICS	Material Com © Copyright 2005. international and P	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under international and Pan-American copyright conventions.		This do level pa	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.									
IPC Web Site for Information on IPC-1752 Stand http://www.ipc.org/IPC-175x						Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information								
Supplier	· Information													
Company name*			Company unique ID			Uni	Unique ID Authority				Response Date*			
On Semiconductor											2017-11-1	3		
Contact Na	ame		Title - Contact			Pho	Phone - Contact*			Email - Contact*				
Rastislav 1	Drska		Product Enviro Compliance			+42	+421337902123				Rastislav.Drska@onsemi.com			
Authorized	d Representative*		Title - Representative			Pho	Phone - Representative*				Email - Representative*			
Rastislav Drska			Product Enviro Compliance			+42	+421337902123				Rastislav.Drska@onsemi.com			
	Requester Item Number		m Number	Mfr Item Name		Eff	fective Date	Version		Manufacturing Site	W	eight*	UOM	Unit Type
		NHPJ0	NHPJ08S600G Planar Ultrafast 60 220FP		600V 8A Single Diode T	O- 20	17-11-13	-13		MY1, SEREMBAN 19		38.37	mg	Each
Manufac	cturing Proccess Inform	ation												
	Terminal Plating / Grid Array M	Material	al Terminal Base Alloy		J-STD-020 MSL Rating	L Rating Per		Peak Process Body Temperature Max Time at Peak		Temperatur	e Numbe	r of Reflow Cyc	les	
					NA		0		2	30	seconds	3		

RoHS Material Composition Declaration		Declaration Type *		Detailed							
RoHS Directive 2011/65/EU	oHS Directive 2011/65/EU RoHS Definition: Quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium										
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 not 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 has not onditions 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 applica											
RoHS Declaration * 4 - Item(s)) does not contain RoHS restricted substances per	the definition above except for selected exempti	ions	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-2006/690/EC										
Declaration Signature											
Instructions: Complete all of the required fi Requester) and click on Submit Form to ha	ields on all pages of this form. Select the "Acce ve the form returned to the Requester.	pted" on the Supplier Acceptance drop-down	. This will display the s	ignature area. Digitall	ly sign the declaration (if required by the						

Supplier Digital Signature

Rastislav Drska

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	4.03 mg		Supplier	Silicon (Si)	7440-21-3		4.03	mg
Die Attach	11.03	mg	A	Lead (Pb)	7439-92-1	7a	10.4785	mg
			Supplier	Tin (Sn)	7440-31-5		0.5515	mg
Lead Frame	1236.66	mg	Supplier	Copper (Cu)	7440-50-8		1236.66	mg
Mold Compound-Black	679.88	mg	Supplier	Epoxy + Phenol Resin	n/a		47.5916	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		10.1982	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		588.0962	mg
			Supplier	Bisphenol A, Epichlorohydrin polymer	90598-46-2, 25068- 38-6		33.994	mg
Plating	6.36	mg	Supplier	Tin (Sn)	7440-31-5		6.36	mg
Wire Bond	0.41	mg	Supplier	Aluminum (Al)	7429-90-5		0.41	mg