ASSOCIATION CONNECT	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.				under both le	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.								
1752-2 1.1	IPC Web Site for Information on IPC-1752 Standard Form Type				Form Type * Distribute		Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information							
Supplier Infor	mation													
Company name*			Company unique ID				Unique ID Authority			Response Date*				
On Semiconductor										2017-11	-13			
Contact Name			Title - Contact				Phone - Contact*			Email - Contact*				
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Rastislav Drska			Product Enviro Compliance				+421337902123			Rastislav.Drska@onsemi.com				
Reques	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
		NTZS315	51PT1H	PFET SOT563 2	20V 950MA 150		2017-11-13		MY1, SEREMBAN		2.7	mg	Each	
Manufacturing	g Proccess Information	n												
Termina	Terminal Plating / Grid Array Material		Terminal Base Alloy J-STD-020 MS		J-STD-020 MSL F	Rating	Peak Process Body Temperature Max Time at Po			k Temperature Number of Reflow Cycles				
					1		260	C	30	seco	nds 3			

RoHS Material Composition Declaration			Declaration Type *	Detailed					
RoHS 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 knowledge 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 informationprovided 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 provided as part of that agreement, will be the sole and exclusivesource of the Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.									
RoHS Declaration * 1 - Item(s)	does not contain RoHS restricted substances per	r the definition above	Supplier Acceptance	* Accepted					
Exemption: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.									
Exemption List Version	EL-2006/690/EC								
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	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	0.01	mg	Supplier	Silicon (Si)	7440-21-3		0.01	mg
Lead Frame	1.19		В	Nickel (Ni)	7440-02-0		0.482	mg
			Supplier	Iron (Fe)	7439-89-6		0.6605	mg
			Supplier	Copper (Cu)	7440-50-8		0.0476	mg
Mold Compound-Black	1.4		Supplier	Phenolic Resin	n/a		0.14	mg
			Supplier	Carbon Black (C)	1333-86-4		0.007	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.203	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		0.91	mg
			Supplier	Ortho Cresol Novolac Resin	n/a		0.14	mg
Plating	0.06	mg	Supplier	Tin (Sn)	7440-31-5		0.06	mg
Wire Bond	0.04	mg	Supplier	Copper (Cu)	7440-50-8		0.04	mg