ASSOCIATION ELECTRONICS	Material Compo © Copyright 2005. II industries	osition Dec PC, Bannockb n-American co	claration burn, Illinois. A ppyright conver	ll rights reserved untions.	This doc level par	ument is a dec	laration ion end	n of the substance compasses all low	es within the manufactur wer level materials for wh	er listed hich the	item. Note: if nanufacturer	the item is an as has engineering	sembly with lower responsibility.	
1752-2 1.1	2 1.1 IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x			lard	Form Type * Declaration Class * Distribute Class 6 - RoHS Yes/No, Homogeneous M				o, Homogeneous Materia	terials and Mfg Information				
Supplier	Information													
Company name*			Company unique ID			Unique ID	Unique ID Authority				Response Date*			
On Semiconductor										2017-11	1-13			
Contact Name			Title - Contact			Phone - Co	Phone - Contact*			Email - Contact*				
Rastislav D	rska		Product Enviro Compliance			+42133790	+421337902123				Rastislav.Drska@onsemi.com			
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Rastislav Drska			Product Enviro Compliance			+421337902123				Rastislav.Drska@onsemi.com				
	Requester Item Number	tem Number Mfr Item Num		Mfr Item Name		Effective	Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
		MM5Z16	Zen 0.2W 15.3-1		7.1V SOD5	2017-11-1	1-13 CI		CN2, TAK CHEONG		2.398	mg	Each	
Manufact	turing Proccess Informat	tion												
Т	Terminal Plating / Grid Array Ma	nterial T	rial Terminal Base Alloy		J-STD-020 MSL Rating	Peak	Peak Process Body Temperature Max Time at			eak Temperature Number of Reflow Cycles				
					1	260		C	30	seco	nds 3			

RoHS Material Composition Declaration			Declaration Type *	Detailed						
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 diphenyls 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 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 appl										
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	0.031	mg	Supplier	Silicon (Si)	7440-21-3		0.031	mg
Lead Frame 1.444		mg	Supplier	Tin (Sn)	7440-31-5		0.789	mg
			Supplier	Zinc (Zn)	7440-66-6		0.001	mg
			Supplier	Iron (Fe)	7439-89-6		0.017	mg
			Supplier	Copper (Cu)	7440-50-8		0.636	mg
			Supplier	Phosphorus (P)	7723-14-0		0.001	mg
Mold Compound-Black	0.92	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.184	mg
			Supplier	Carbon Black (C)	1333-86-4		0.009	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		0.727	mg
Wire Bond - Au	0.003	mg	Supplier	Gold (Au)	7440-57-5		0.003	mg