00	aterial Composit Copyright 2005. IPC, 1 ernational and Pan-An	Bannockbi	urn, Illinois. A	Il rights reserved nations.	under both	This docum level parts, t	ent is a declar the declaration	ation of the encompas	e substance sses all low	s within the ma er level materia	nufacture ls for whi	r listed iten ich the mar	n. Note: i ufacturer	f the item is an as r has engineering	sembly with lower responsibility.	
					Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					s Material	als and Mfg Information				
Supplier Information	n															
Company name*			Company unique ID			Unique ID Authority					Response Date*					
onsemi												2023-06-12				
Contact Name			Title - Contact				Phone - Contact*					Email - Contact*				
Product-Env-Stewards			Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com					
Authorized Representative*			Title - Representative			Phone - Representative*					Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com					
Requester Item	Requester Item Number Mfr Iten		Number Mfr Item Name				Effective Da	te Versi	on	Manufacturing Site		We	ight*	UOM	Unit Type	
		SZHBL5006HT1G		Shunt HBLED Protection			2023-06-12			CN1		4.6	5	mg	Each	
Manufacturing Proc	cess Information															
Terminal Plating / Grid Array Material Termi			erminal Base	nal Base Alloy J-STD-020 MSL Ratin		L Rating	Peak Process Body Temperature M		ire Max Time	e at Peak Temperature		e Numb	per of Reflow Cyc	eles		
Matte Tin (Sn) - annealed CU Alloy			U Alloy		1		260		С	30		seconds	3			
Comments																
level 1 - maximum time at	t peak temperature d	uring sole	dering is 10-3	0 seconds												
For more information reg	garding material com	position p	olease refer to	page 3												

RoHS Material Composition Declaration				Declaration Type *	Detailed				
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		nium (Cr6+), Polybro	ominated Biphenyls (PBB), Polybron	dmium and quantity limit of 0.1% by mass (100 minated Diphenyl Ethers (PBDE), and Bis(2-eth					
cadmium, hexavalentchromium, polybrominate contains a RoHS restricted substance inexcess encompass all such components. Supplier certif as of the date that Supplier completes this form Company acknowledges that Supplier may hav independently verified information provided by certification in this paragraph. If the Company a that agreement, will be the sole and exclusives	ed biphenyls and/or polybrominated dip of an applicable quantity limit, please ir ies that it gathered the information it pro- .Supplier acknowledges that Company e relied on informationprovided by othe v others, Supplier agrees that, at a minin and the Supplier enter into a written agre pource of the Supplier's liability and the	henyl ethers (each a " ndicate below which, i ovides in this form us will rely on this certifiers in completing this num, itssuppliers have eement with respect to Company's remedies	RoHS restricted substance") in exce if any, RoHS exemption you believe ing appropriate methods to ensure if ication in determining the complian form, and that Supplier may not have e provided certifications regarding the to the identified part, the terms and co for issues that arise regarding inform	e may apply. If the part is an assembly with low is accuracy and that such information is true and ce of its products with European Union membe ve independently verified such information. How heir contributions to the part, and those certifica anditions of that agreement, including any warra	ove. If a homogeneous material within the part er level components, the declaration shall l correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not tions are at least as comprehensive as the anty rights and/or remedies provided as part of				
RoHS Declaration * 1 - Item(s)	does not contain RoHS restricted substa	ances per the definitio	on 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-2011/534/EU								
Declaration Signature									
Instructions: Complete all of the required find Requester) and click on Submit Form to have	e 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 tions. EL-2011/534/EU nure nplete 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 lick on Submit Form to have the form returned to the Requester.								
Supplier Digital Signature Ra	stislav Drska	Le							

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.

sigma range of distribution unless otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	0.59	mg	Supplier	Silicon (Si)	7440-21-3		0.59	mg	
Lead Frame	0.86	mg	В	Nickel (Ni)	7440-02-0		0.3122	mg	
			Supplier	Iron (Fe)	7439-89-6		0.4317	mg	
			Supplier	Copper (Cu)	7440-50-8		0.1161	mg	
Mold Compound-Black	3.06	mg	Supplier	Boron zinc hydroxide oxide	138265-88-0		0.0918	mg	
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		0.0153	mg	
			Supplier	2,4,6-triamino-1,3,5-triazine isocyanuric acid	37640-57-6		0.0918	mg	
			Supplier	Silica Amorphous (SiO2)	7631-86-9		2.448	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.0306	mg	
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.2448	mg	
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.1377	mg	
Plating	0.13	mg	Supplier	Tin (Sn)	7440-31-5		0.13	mg	
Wire Bond - Au	0.01	mg	Supplier	Gold (Au)	7440-57-5		0.01	mg	

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 (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 signa range of distribution unless otherwise noted).