ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES	Material Composit © Copyright 2005. IPC, international and Pan-Ar	Bannockb	urn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declara	tion of the s encompasse	ubstances es all lowe	within the manufac er level materials for	turer listed which the	l item. Note: i manufacture	if the item is an as r has engineering	sembly with lower responsibility.	
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				*	 Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi 					als and Mfg Information				
Supplier Informa	ation														
Company name*			Company unique ID				Unique ID Authority				Respo	Response Date*			
onsemi											2023-0	2023-06-08			
Contact Name			Title - Contact				Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative*			Title - Representative				Phone - Representative*			Email	Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com			
Requester	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Dat	e Version	sion Manufacturing Site			Weight*	UOM	Unit Type	
		NL17SH34P5T5G S		Single Buffer			2023-06-08					1.19	mg	Each	
Manufacturing F	Proccess Information	1													
Terminal Plating / Grid Array Material Term			rminal Base Alloy J-STD-020 MSL		L Rating	Peak Process Body Temperatu		ure Max Time at Peak Tempera		ature Num	ber of Reflow Cy	eles			
Matte Tin (Sn) - annealed CU Al			U Alloy	y 1			260 C 30			seco	seconds 3				
Comments															
evel 1 - maximum tii	me at peak temperature o	luring sol	dering is 10-3	0 seconds											
For more information	n regarding material con	position j	please 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	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	ce of its products with European Union membe	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	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 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	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.

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	0.03	mg	Supplier	Silicon (Si)	7440-21-3		0.03	mg
Lead Frame	0.52	mg	Supplier	Silver (Ag)	7440-22-4		0.0926	mg
			В	Nickel (Ni)	7440-02-0		0.1607	mg
			Supplier	Iron (Fe)	7439-89-6		0.222	mg
			Supplier	Copper (Cu)	7440-50-8		0.0447	mg
Mold Compound-Black	0.6	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.06	mg
			Supplier	Carbon Black (C)	1333-86-4		0.003	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.087	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		0.39	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.06	mg
Plating	0.02	mg	Supplier	Tin (Sn)	7440-31-5		0.02	mg
Wire Bond - Au	0.02	mg	Supplier	Gold (Au)	7440-57-5		0.02	mg