IPC ASSOCIATION ELECTRONIC	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under international and Pan-American copyright conventions.			nder both	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.									
752-21.1		IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				e *	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information			
uppliei	r Information														
Company name*			Company un	Company unique ID			Unique ID Authority					Response Date*			
nsemi												2024-05-18			
ontact N	ame	Title - Contact			I	Phone - Contact*				Email - Contact*					
Product-I	Env-Stewards		Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com			
uthorize	d Representative*	Title - Representative			I	Phone - Representative*				Email - Representative*					
roduct-I	Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr		Item Number Mfr Item Name				Effective Date	Version Manufacturing Site		ng Site	V	Veight*	UOM	Unit Type	
		BD679AS NPN DARL/4		NPN DARL/4A/80	√80V TO-126		2024-05-18			CNM		8	37.057	mg	Each
lanufa	cturing Process Inform		Terminal Base	Alloy	-STD-020 MS	I Dating	Dank Proc	es Rody	Tamparati	ura May Tin	na at Daak '	Tamparati	ura Numb	er of Reflow Cyc	dae
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omments	` /		CO Alloy		113					130		Second	J		
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or more	information regarding materia	al composition	nlease refer to	n nage 3											

RoHS Material Composition Declaration			Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU RoHS Definition: Quantity limit of 0.01% by mass (100 PPM) in homogeneous material for Cadmium and quantity limit of 0.1% by mass (100 PPM) in homogeneous material for Cadmium and quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).											
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 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 paragraph. If the Company and the Supplier shave 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 s											
RoHS Declaration * 4 - Item(s) does not contain RoHS restricted substance	s per the definition above except for selected exemp	tions 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-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	astislav Drska	-En									

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	0.38	mg	Supplier	Silicon (Si)	7440-21-3		0.38	mg
Die Attach	0.229	mg	Supplier	Silver (Ag)	7440-22-4		0.0034	mg
			A	Lead (Pb)	7439-92-1	7a	0.2141	mg
			Supplier	Tin (Sn)	7440-31-5		0.0115	mg
Lead Frame	362.5	mg	Supplier	Iron (Fe)	7439-89-6		0.3625	mg
			Supplier	Copper (Cu)	7440-50-8		362.0287	mg
			Supplier	Phosphorus (P)	7723-14-0		0.1087	mg
Mold Compound-Black	461.72	mg	Supplier	2,6-dibromo-4-[1-(3-bromo-4-hydroxyphenyl)-1-methylethyl]phenol	6386-73-8		1.3852	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		4.6172	mg
			Supplier	Carbon Black (C)	1333-86-4		5.5406	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		78.4924	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		55.4064	mg
			Supplier	Silica (SiO2)	14464-46-1		2.3086	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		36.9376	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		277.032	mg
Plating	12.12	mg	Supplier	Tin (Sn)	7440-31-5		12.12	mg
Wire Bond - Au	0.108	mg	Supplier	Gold (Au)	7440-57-5		0.108	mg