© Copyright 2	<b>Composition De</b> 2005. IPC, Bannock nd Pan-American c	burn, Illinois. A	All rights reserved untions.	under both le	his docume evel parts, tl	ent is a declar he declaratior	ation of the	e substances sses all lowe	within the er level mat	manufactur erials for wl	er listed ite hich the m	em. Not anufact	te: if the it turer has en	em is an ass ngineering r	embly with lowe esponsibility.
	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 Information															
Company name* Company			pany unique ID			Unique ID Authority					Response Date*				
onsemi										2023-06-08					
Contact Name	Title - Conta	Title - Contact			Phone - Contact*					Email - Contact*					
Product-Env-Stewards	Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com					
Authorized Representative*	Title - Repre	Title - Representative			Phone - Representative*				Email - Representative*						
Product-Env-Stewards	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com							
Requester Item Number	Requester Item Number Mfr Item Number Mfr Item Name		n Number Mfr Item Name			Effective Da	ive Date Version Manufacturing Site		ring Site	v	Veight*	· U	JOM	Unit Type	
				ow Side Gate Drive	v Side Gate Driver IC for			PH1			69.85		n	ıg	Each
Manufacturing Proccess Info	ormation														
Terminal Plating / Grid Ar	nal Plating / Grid Array Material Terminal		Alloy	J-STD-020 MSL Rating		Peak Process Body Tempe		/ Temperatu	ature Max Time at Peak T		Temperature Number of I		Reflow Cycl	es	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy	U Alloy 2			260		C	30		seconds 3				
Comments															
TTENTION: MSL 2 Rated item re	equires Dry Pack (	after electrical	test)												
or more information regarding ma	terial composition	please refer to	page 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 (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), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP).											
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 y 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	ances per the definitio	on above	Supplier Acceptance	* Accepted							
Exemption: If the declared item does not con applicable exemptions.	ntain RoHS restricted substances per	the definition above	except for defined RoHS exempti	ons, then select the corresponding response i	n the RoHS Declaration above and choose all							
Exemption List Version	EL-2011/534/EU											
Declaration Signature												
Instructions: Complete all of the required fin Requester) and click on Submit Form to have	elds on all pages of this form. Select the form returned to the Requester	he "Accepted" on th	e Supplier Acceptance drop-down	. This will display the signature area. Digital	lly sign the declaration (if required by the							
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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	1.99	mg	Supplier	Silicon (Si)	7440-21-3		1.99	mg
Die Attach	0.56	mg	Supplier	Epoxized Condensate Of Para- Hydrobenzaldehyde And Alkyl Phenol	129915-35-1		0.112	mg
			Supplier	Silver (Ag)	7440-22-4		0.448	mg
Lead Frame	37.61	mg	Supplier	Zinc (Zn)	7440-66-6		0.0451	mg
			Supplier	Iron (Fe)	7439-89-6		0.8838	mg
			Supplier	Copper (Cu)	7440-50-8		36.6698	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0113	mg
Mold Compound-Black	28.58	mg		Epoxy resin	proprietary data		2.1435	mg
			Supplier	Phenolic Resin	Proprietary Data		0.7145	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		2.1435	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1429	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		23.4356	mg
Plating	0.89	mg	Supplier	Palladium (Pd)	7440-05-3		0.0214	mg
			В	Nickel (Ni)	7440-02-0		0.7832	mg
			Supplier	Gold (Au)	7440-57-5		0.0854	mg
Wire Bond - Au	0.22	mg	Supplier	Gold (Au)	7440-57-5		0.22	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 (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).