ASSOCIATION C	Material Con © Copyright 2003 international and	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois international and Pan-American copyright con			ration n, Illinois. All rights reserved under both right conventions.		This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower 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					* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ials and Mfg Information			
upplier I	Information				•		<u> </u>					_		
Company na	ame*	Company uni	Company unique ID			Unique ID Authority				Response Date*				
onsemi											2023-06-08			
Contact Nan	me	Title - Contact			I	Phone - Contact*				Email - Contact*				
?roduct-En	v-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
uthorized 1	Representative*	Title - Representative			I	Phone - Representative*				Email - Representative*				
'roduct-En	v-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
F	Requester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	e Versi	on	Manufacturing Site	V	Weight*	UOM	Unit Type
		LC05132C01MTTTG 1 cell LiB		1 cell LiB Protection	cell LiB Protection IC		2023-06-08 PHG		PHG		26.64	mg	Each	
Ianufact	turing Process Inform	nation												
Terminal Plating / Grid Array Material			Terminal Base Alloy J-STD-020 MSI		SL Rating	Peak Process Body Temperatu		re Max Time at Peak	Temperat	ure Numb	per of Reflow Cyc	eles		
contains Bi		CU Alloy 3			<b>260</b> C		30	secon	ds 3					
omments														
<u> TTENTIO</u>	N: MSL 3 Rated item requ	ires Bake and D	ry Pack (after	electrical test)										
or more inf	formation regarding mater	ial 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 (100 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 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 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 Itability 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 andConditions of Sale applicable to such part shall apply.										
RoHS Declaration * 4 - Item(s	) does not contain RoHS restricted substance	es per the definition above except for selected exemp	otions 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 f Requester) and click on Submit Form to ha		'Accepted" on the Supplier Acceptance drop-dow	n. This will display the signature area. Digita	lly sign the declaration (if required by the						
Supplier Digital Signature Ra	astislav Drska	-6_								

## **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	2.41	mg	Supplier	Silicon (Si)	7440-21-3		2.41	mg
Die Attach Solder	0.89	mg	Supplier	Silver (Ag)	7440-22-4		0.0223	mg
			A	Lead (Pb)	7439-92-1	7a	0.8232	mg
			Supplier	Tin (Sn)	7440-31-5		0.0445	mg
Lead Frame	12.04	mg	Supplier	Silver (Ag)	7440-22-4		0.3612	mg
			Supplier	Tin (Sn)	7440-31-5		0.0181	mg
			Supplier	Copper (Cu)	7440-50-8		11.6607	mg
Mold Compound-Black	10.73	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		1.073	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0536	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		1.5558	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		6.9745	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		1.073	mg
Plating	0.54	mg	В	Bismuth (Bi)	7440-69-9		0.0041	mg
			Supplier	Tin (Sn)	7440-31-5		0.536	mg
Wire Bond - Au	0.03	mg	Supplier	Gold (Au)	7440-57-5		0.03	mg