Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright 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.										
1752-21.1	IPC Web Site for Information on IPC 1752 Standard Form Type				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ous Materia	ials and Mfg Information				
Supplier	r Information														
Company name* Company uniq				que ID			Unique ID Authority				Response Date*				
onsemi											2023-06-08				
Contact N	lame	Title - Contact				Phone - Contact*					Email - Contact*				
Product-I	Env-Stewards		Product Envi	Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com			
<b>Authorize</b>	ed Representative*	Title - Representative				Phone - Representative*				Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Date		ng Site	W	/eight*	UOM	Unit Type		
		LV5683P-E Car Audio Powe		Car Audio Power S	Supply		2023-06-08		]	PHM		18	800.0	mg	Each
<b>Aanufa</b>	cturing Proccess Informa	ntion													
	Terminal Plating / Grid Array Material T		Terminal Base Alloy J-STD-		STD-020 MSI	L Rating	Peak Process Bo		s Body Temperature   Max Time at Peak		Temperatu	re Numb	er of Reflow Cyo	eles	
	contains Bi		CU Alloy NA		A		0		С	30		second	s <b>3</b>		
Comments	S														
							_								_
or more	information regarding material	l composition	nlease refer to	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 (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 supplier has not independently verified information provided by others, supplier 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 Suppl											
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	4.48	mg	Supplier	Silicon (Si)	7440-21-3		4.4634	mg
			Supplier	Polyimide	Proprietary Data		0.0166	mg
Die Attach	1.3	mg	Supplier	Silver (Ag)	7440-22-4		0.039	mg
			A	Lead (Pb)	7439-92-1	7a	1.222	mg
			Supplier	Tin (Sn)	7440-31-5		0.026	mg
			Supplier	Copper (Cu)	7440-50-8		0.013	mg
Lead Frame	750.0	mg	Supplier	Tin (Sn)	7440-31-5		1.95	mg
			Supplier	Zinc (Zn)	7440-66-6		1.875	mg
			Supplier	Chromium (Cr)	7440-47-3		2.025	mg
			Supplier	Copper (Cu)	7440-50-8		744.15	mg
Mold Compound-Black	1027.42	mg		Brominated epoxy resin	proprietary data		20.5484	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		2.0548	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		31.85	mg
			Supplier	Carbon Black (C)	1333-86-4		3.0823	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		762.3456	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		205.484	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		2.0548	mg
Plating	16.3	mg	В	Bismuth (Bi)	7440-69-9		0.0978	mg
			Supplier	Tin (Sn)	7440-31-5		16.2022	mg
Wire Bond - Cu	0.5	mg	Supplier	Copper (Cu)	7440-50-8		0.5	mg