IPC ASSOCIATION CO ELECTRONICS IN	Material Comp © Copyright 2005. International and Pa	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.		under both le	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				Declaration Class * Class 6 - RoHS Yes/No. Homogeneous Mater				s Materials an	ials and Mfg Information			
upplier I	nformation													
Company name*			Company ur	Company unique ID			Unique ID Authority				Response Date*			
nsemi										2023-06-08				
ontact Nam	ne	Title - Conta	Title - Contact			Phone - Contact*				Email - Contact*				
roduct-Env	v-Stewards	Product Env	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
uthorized F	Representative*	Title - Repre	Title - Representative			Phone - Representative*			Ema	Email - Representative*				
Product-Env-Stewards Product En			Product Env	luct Enviro Compliance			NA			Pro	Product-Env-Stewards@onsemi.com			
R	Requester Item Number Mfr Ite		m Number Mfr Item Name			F	Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
		LC87F2 SSOP-E	2G08AU-	FROM8KB,RAM	M256B,SSOP24	2	2023-06-08				100.0	mg	Each	
lanufactu	uring Proccess Informa	ntion												
Те	Terminal Plating / Grid Array Material T			Ferminal Base Alloy J-STD-020 MSL		Rating	Peak Process Body Temperature Max Time at P		at Peak Temp	erature Numb	er of Reflow Cy	cles		
contains Bi		CU Alloy 4		4		260	C	30	se	econds 3				
									-					

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
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 knowledge 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 have 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 andConditions of Sale applicable to such part shall apply.											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	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											
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	the declaration (if required by the						

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	2.87	mg	Supplier	Silicon (Si)	7440-21-3		2.8522	mg
			Supplier	Polyimide	Proprietary Data		0.0178	mg
Die Attach	0.71	mg	Supplier	Silver (Ag)	7440-22-4		0.4831	mg
			Supplier	Epoxy resins	129915-35-1		0.2053	mg
			Supplier	Other Metal Oxide	Proprietary Data		0.0155	mg
			В	Antimony Pentoxide (Sb2O5)	1314-60-9		0.0061	mg
Lead Frame	48.01	mg	Supplier	Zinc (Zn)	7440-66-6		0.0912	mg
			Supplier	Iron (Fe)	7439-89-6		1.2435	mg
			Supplier	Copper (Cu)	7440-50-8		46.6081	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0672	mg
Mold Compound-Black	46.74	mg		Brominated epoxy resin	proprietary data		0.4674	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		0.3739	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.4674	mg
			Supplier	Carbon Black (C)	1333-86-4		0.4674	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		39.2616	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		5.6088	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.0935	mg
Plating	1.1	mg	В	Bismuth (Bi)	7440-69-9		0.0066	mg
			Supplier	Tin (Sn)	7440-31-5		1.0934	mg
Wire Bond - Au	0.57	mg	Supplier	Gold (Au)	7440-57-5		0.57	mg