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	IDC Web Site for Information on IDC 1752 Standard Form Type				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					eous Materi	ials and Mfg Information				
Supplier Inf	formation														
Company name*				mpany unique ID			Unique ID Authority					Response Date*			
onsemi												2023-06-08			
Contact Name	;	Title - Contact				Phone - Contact*					Email - Contact*				
Product-Env-Stewards Pro				Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com			
authorized Re	epresentative*	Title - Representative				Phone - Representative*				Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Red	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Da	fective Date Version Manufacturing Site		ring Site	W	Veight*	UOM	Unit Type	
		LC87F2J3	32AUWA-2H	FROM32KB,RAM	1KB,QFP48		2023-06-08 PHM			20	0.00	mg	Each		
Manufactur	ring Proccess Information	n					,							·	
Terr	Terminal Plating / Grid Array Material			erminal Base Alloy J-STD-0		L Rating	Peak Pro	Process Body Temperature Max Time at F		me at Peak	ak Temperature Number of Refl		per of Reflow Cyc	eles	
cont	contains Bi		CU Alloy 4				260		C	30		second	ls 3		
comments															
or more infor	rmation regarding material con	aposition p	lease refer to	page 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 has not independently verified information provided by others, Supplier agrees that, at a minimum, its part of 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 and Conditions 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	5.79	mg	Supplier	Silicon (Si)	7440-21-3		5.7541	mg
			Supplier	Polyimide	Proprietary Data		0.0359	mg
Die Attach	1.44	mg	Supplier	Silver (Ag)	7440-22-4		0.9798	mg
			Supplier	Epoxy resins	129915-35-1		0.4164	mg
			Supplier	Other Metal Oxide	Proprietary Data		0.0314	mg
			В	Antimony Pentoxide (Sb2O5)	1314-60-9		0.0124	mg
Lead Frame	67.8	mg	Supplier	Silver (Ag)	7440-22-4		1.078	mg
			Supplier	Zinc (Zn)	7440-66-6		0.1288	mg
			Supplier	Iron (Fe)	7439-89-6		1.7289	mg
			Supplier	Copper (Cu)	7440-50-8		64.7693	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0949	mg
Mold Compound-Black	121.06	mg		Epoxy resin	proprietary data		12.106	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		9.0795	mg
			Supplier	Carbon Black (C)	1333-86-4		0.6053	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		99.2692	mg
Plating	2.77	mg	В	Bismuth (Bi)	7440-69-9		0.0166	mg
			Supplier	Tin (Sn)	7440-31-5		2.7534	mg
Wire Bond - Au	1.14	mg	Supplier	Gold (Au)	7440-57-5		1.14	mg