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 Wah 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	· Information															
Company name* Company unique ID				que ID	Unique ID Authority					Response Date*						
nsemi													2023-06-08			
Contact Name Titl				Title - Contact			Phone - Contact*					Email - Contact*				
Product-F	Env-Stewards		Product Envi	uct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
uthorize	d Representative*	Title - Representative				Phone - Representative*				Email - Representative*						
Product-E	Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com						
	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Da	ive Date Version Manufacturing Site		ring Site	v	Veight*	UOM	Unit Type		
		LC87F2J32AU-QIP-E FROM32KB,RAM			1KB,QFP48		2023-06-08		PHM			1	0.000	mg	Each	
Aanufa	cturing Proccess Informa	tion					,									
	Terminal Plating / Grid Array Ma	erminal Base Alloy J-STD-020		STD-020 MS	L Rating	Peak Process Body Temperatu		ure Max Time at Peak Temper		Temperatu	ire Numb	er of Reflow Cyc	les			
	contains Bi		CU Alloy 4				260		C	30		second	is 3			
omments																
or more i	information regarding material	composition	please 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 informationprovided 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 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	3.42	mg	Supplier	Silicon (Si)	7440-21-3		3.3988	mg
			Supplier	Polyimide	Proprietary Data		0.0212	mg
Die Attach	0.33	mg	Supplier	Silver (Ag)	7440-22-4		0.2525	mg
			Supplier	Epoxy resins	129915-35-1		0.0776	mg
Lead Frame	237.45	mg	Supplier	Silver (Ag)	7440-22-4		2.422	mg
			Supplier	Tin (Sn)	7440-31-5		0.6174	mg
			Supplier	Zinc (Zn)	7440-66-6		0.5936	mg
			Supplier	Chromium (Cr)	7440-47-3		0.6411	mg
			Supplier	Copper (Cu)	7440-50-8		233.1759	mg
Mold Compound-Black	752.39	mg		Brominated epoxy resin	proprietary data		7.5239	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		105.3346	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		15.0478	mg
			Supplier	Carbon Black (C)	1333-86-4		3.0096	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		606.4263	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		15.0478	mg
Plating	5.11	mg	В	Bismuth (Bi)	7440-69-9		0.0307	mg
			Supplier	Tin (Sn)	7440-31-5		5.0793	mg
Wire Bond	1.3	mg	Supplier	Palladium (Pd)	7440-05-3		0.013	mg
			Supplier	Gold (Au)	7440-57-5		1.287	mg