ASSOCIATION COL	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.				der both The	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 Typhttp://www.ipc.org/IPC-175x Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					erials and l	ials and Mfg Information			
Supplier In	nformation														
Company name* Company unique ID				ique ID	Unique ID			ID Authority			Respo	Response Date*			
onsemi											2023-0	2023-06-08			
Contact Name Tit				Title - Contact			Phone - Contact*				Email	Email - Contact*			
Product-Env-	-Stewards	Product Enviro Compliance			1	NA				Produ	Product-Env-Stewards@onsemi.com				
Authorized R	epresentative*	Title - Representative			F	Phone - Representative*				Email	Email - Representative*				
Product-Env-	-Stewards	Product Enviro Compliance]	NA				Produ	Product-Env-Stewards@onsemi.com				
Re	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Date	tive Date Version Manufacturing Site			Weight*	UOM	Unit Type		
		LE25S81AMDTWG 8M bit serial flash m		memory, Vcc=1	.8V,	2023-06-08		PH1			83.5	mg	Each		
Manufactu	ring Proccess Informa	tion													
Tei	Terminal Plating / Grid Array Material Terminal Base Alloy			Alloy J-S	STD-020 MSL R	Rating Peak Process Body Temperature Max Time at Peak Temperature Number of Reflow Cycles						les			
Matte Tin (Sn) - annealed			CU Alloy 2		·	·	260	C 30		seco	seconds 3				
Comments															
TTENTION	N: MSL 2 Rated item require	s Dry Pack (a	fter electrical	test)											
or more info	ormation 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 is true and correction that such information is true and correction 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 suppliers 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 have provided as part of that agreement, will be the sole and exclusivesource of the Supplier's liability 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	2.07	mg	Supplier	Silicon (Si)	7440-21-3		2.07	mg
Die Attach	0.28	mg	Supplier	Organic peroxide	3006-86-8		0.0021	mg
			Supplier	Diluent B	Proprietary Data		0.014	mg
			Supplier	Diluent A	Proprietary Data		0.0112	mg
			Supplier	Dicyandiamine	461-58-5		0.0007	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.224	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.028	mg
Lead Frame	31.95	mg	Supplier	Silver (Ag)	7440-22-4		0.639	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0383	mg
			Supplier	Iron (Fe)	7439-89-6		0.7508	mg
			Supplier	Copper (Cu)	7440-50-8		30.5123	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0096	mg
Mold Compound-Black	47.92	mg		Epoxy resin	proprietary data		3.594	mg
			Supplier	Phenolic Resin	Proprietary Data		1.198	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		3.594	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2396	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		39.2944	mg
Plating	1.22	mg	Supplier	Tin (Sn)	7440-31-5		1.22	mg
Wire Bond - Au	0.06	mg	Supplier	Gold (Au)	7440-57-5		0.06	mg