ASSOCIATION CONNECTING	© Copyright 2005. IPC, international and Pan-Ar	Bannockb	urn, Illinois. A	ll rights reserved untions.	nder both	This docume level parts, t	ent is a declaration	ion of the sencompass	substances es all lowe	within the manufact or level materials for	urer listed which the	item. Note: i manufacturer	f the item is an as r has engineering	ssembly with lower responsibility.	
1752-21.1	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 Materi 					rials and I	als and Mfg Information				
Supplier Inform	ation														
Company name*			Company unique ID				Unique ID Authority					Response Date*			
onsemi											2023-0	2023-06-08			
Contact Name			Title - Contact				Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com			
			Title - Representative				Phone - Representative*				Email	Email - Representative*			
Product-Env-Stewar	rds	Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com				
Requester	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	Version	1 I	Manufacturing Site		Weight*	UOM	Unit Type	
		LE25U20AFD-AH 2M bit seri		2M bit serial flash	t serial flash memory		2023-06-08		1	PH1		60.0	mg	Each	
Manufacturing I	Proccess Information	n													
Terminal Plating / Grid Array Material Term			erminal Base A	rminal Base Alloy J-STD-020 MSL F		L Rating	Peak Process Body Temperature M		re Max Time at Pea	k Temper	ature Numb	per of Reflow Cy	cles		
Matte Tin (Sn) - annealed CU A			U Alloy	Alloy 3			260 C 30				seco	seconds 3			
Comments															
ATTENTION: MSL	3 Rated item requires Ba	ake and D	ry Pack (after	electrical test)											
or more informatio	on regarding material con	position j	please refer to	page 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), Disobutyl phthalate (DIBP).										
cadmium, hexavalentchromium, polybrominate contains a RoHS restricted substance inexcess encompass all such components. Supplier certif as of the date that Supplier completes this form Company acknowledges that Supplier may hav independently verified information provided by certification in this paragraph. If the Company a	ed biphenyls and/or polybrominated dip of an applicable quantity limit, please ir ies that it gathered the information it pro- .Supplier acknowledges that Company e relied on informationprovided by othe v others, Supplier agrees that, at a minin and the Supplier enter into a written agre pource of the Supplier's liability and the	henyl ethers (each a " ndicate below which, i ovides in this form us will rely on this certifiers in completing this num, itssuppliers have eement with respect to Company's remedies	RoHS restricted substance") in exce if any, RoHS exemption you believe ing appropriate methods to ensure if ication in determining the complian form, and that Supplier may not have e provided certifications regarding the to the identified part, the terms and co for issues that arise regarding inform	ce of its products with European Union membe	ove. If a homogeneous material within the part er level components, the declaration shall l correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not tions are at least as comprehensive as the anty rights and/or remedies provided as part of						
RoHS Declaration * 1 - Item(s)	does not contain RoHS restricted substa	on above	Supplier Acceptance	* Accepted							
Exemption: If the declared item does not con applicable exemptions.	ntain RoHS restricted substances per	the definition above	except for defined RoHS exempti	ons, then select the corresponding response i	n the RoHS Declaration above and choose all						
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required fin Requester) and click on Submit Form to have	elds on all pages of this form. Select the form returned to the Requester	he "Accepted" on th	e Supplier Acceptance drop-down	. This will display the signature area. Digital	lly sign the declaration (if required by the						
Supplier Digital Signature Ra	stislav Drska	Le									

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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.56	mg	Supplier	Silicon (Si)	7440-21-3		0.556	mg
			Supplier	Polyimide	Proprietary Data		0.004	mg
Die Attach	0.15	mg	Supplier	Organic peroxide	3006-86-8		0.0011	mg
			Supplier	Diluent B	Proprietary Data		0.0075	mg
			Supplier	Diluent A	Proprietary Data		0.006	mg
			Supplier	Dicyandiamine	461-58-5		0.0004	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.12	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.015	mg
Lead Frame	25.37	mg	Supplier	Silver (Ag)	7440-22-4		0.789	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0482	mg
			Supplier	Iron (Fe)	7439-89-6		0.6266	mg
			Supplier	Copper (Cu)	7440-50-8		23.9062	mg
Mold Compound-Black	31.94	mg		Epoxy resin	proprietary data		2.3955	mg
			Supplier	Phenolic Resin	Proprietary Data		0.7985	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		2.3955	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1597	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		26.1908	mg
Plating	1.89	mg	Supplier	Tin (Sn)	7440-31-5		1.89	mg
Wire Bond - Au	0.09	mg	Supplier	Gold (Au)	7440-57-5		0.09	mg

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).