IPC ASSOCIATION ELECTRONICS	Material Com © Copyright 2005. international and Pa	IPC, Bannockl	ourn, Illinois. A	all rights reserved untions.		ment is a dec	laration tion enc	of the sub compasses a	stances v all lower	vithin the manufa level materials fo	turer listed r which the	item. Note: manufacture	if the item is an a er has engineering	ssembly with lov responsibility.	
752-21.1		IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Material					terials and l	ls and Mfg Information			
upplier	Information														
Company 1	name*		Company un	Company unique ID			Unique ID Authority					Response Date*			
nsemi												2023-06-08			
ontact Na	nme	·	Title - Contact			Phone - Contact*					Email	Email - Contact*			
?roduct-E	nv-Stewards		Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Representative				sentative	Phone - Representative*				Email - Representative*						
roduct-E	nv-Stewards		Product Envi	Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
	Requester Item Number	LB11967V-TLM-H 1PH PRE SENSO		Mfr Item Name		Effective	Date	te Version Manufacturing Site			Weight*	UOM	Unit Type		
				R OPEN; Single phase ll sensor method (open	2023-06-0	08	РНМ			100.0	mg	Each			
Ianufac	turing Proccess Informa	ation													
	Terminal Plating / Grid Array Material		Γerminal Base Alloy J-STD		-STD-020 MSL Rating	Peak	Peak Process Body Temp		nperature	ature Max Time at Peak Ten		ature Num	ber of Reflow Cy	cles	
	contains Bi		CU Alloy 3		3	260	260 C		C	30 seco		onds 3			
omments															
CTENTI	ON: MSL 3 Rated item requir	es Bake and D	ry Pack (after	electrical test)											

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 (DBP), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP).											
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 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 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 is 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	2.68	mg	Supplier	Silicon (Si)	7440-21-3		2.6701	mg
			Supplier	Polyimide	Proprietary Data		0.0099	mg
Die Attach	0.56	mg	Supplier	Silver (Ag)	7440-22-4		0.381	mg
			Supplier	Epoxy resins	129915-35-1		0.162	mg
			Supplier	Other Metal Oxide	Proprietary Data		0.0122	mg
			В	Antimony Pentoxide (Sb2O5)	1314-60-9		0.0048	mg
Lead Frame	5.07	mg	Supplier	Zinc (Zn)	7440-66-6		0.0066	mg
			Supplier	Iron (Fe)	7439-89-6		0.1191	mg
			Supplier	Copper (Cu)	7440-50-8		4.9402	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0041	mg
Mold Compound-Black	89.99	mg		Epoxy Phenol Resin	proprietary data		10.7988	mg
			Supplier	Carbon Black (C)	1333-86-4		0.36	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		76.1315	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		2.6997	mg
Plating	1.42	mg	В	Bismuth (Bi)	7440-69-9		0.0085	mg
			Supplier	Tin (Sn)	7440-31-5		1.4115	mg
Wire Bond - Au	0.28	mg	Supplier	Gold (Au)	7440-57-5		0.28	mg