ASSOCIATION C	CONNECTING CONVECTING INDUSTRIES® MOUSTRIES®	Bannockb	ourn. Illinois. A	ll rights reserved untions.	under both	This docum level parts,	ent is a declar the declaration	ration of n	the substance passes all low	es within the manufac ver level materials for	turer listed which the	l item. Note: if manufacturer	the item is an a has engineering	ssembly with lower responsibility.	
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Ty http://www.ipc.org/IPC-175x Distribution				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					erials and	ials and Mfg Information			
Supplier I	Information														
Company name*			Company unique ID			Unique ID Authority				Respo	Response Date*				
onsemi										2023-0	2023-06-08				
Contact Nan	ne	Title - Contact			Phone - Contact*				Email	Email - Contact*					
Product-En	v-Stewards	Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com				
Authorized l	Representative*	Title - Representative			Phone - Representative*				Email	Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com				
F	Requester Item Number	Mfr Item	m Number Mfr Item Name				Effective Date	ate Ver	rsion	Manufacturing Site		Weight*	UOM	Unit Type	
	LB11867RV-		'RV-TLM-E	M-E 1PH PRE SENSOR OPEN ; Single phase pre-driver with hall sensor method (open loop speed control)			2023-06-08	23-06-08 PHM			80.0	mg	Each		
Manufact	uring Proccess Information	ı													
Te	Terminal Plating / Grid Array Material			Ferminal Base Alloy J-STD-		L Rating	Peak Proces		cess Body Temperature Max Time at Peak		ak Temper	Temperature Number of Reflow Cyc		cles	
contains Bi CU Alloy				3			260 C 30		seco	seconds 3					
Comments															
ATTENTIO	N: MSL 3 Rated item requires Ba	ke and D	ry Pack (after	electrical test)											
for more inf	formation regarding material con	position	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chror	S 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 Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl alate (BBP), Dibutyl phthalate (DBP), Diisobutyl 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 y 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 cc 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	2.74	mg	Supplier	Silicon (Si)	7440-21-3		2.7299	mg
			Supplier	Polyimide	Proprietary Data		0.0101	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
ead Frame	6.56	mg	Supplier	Zinc (Zn)	7440-66-6		0.0085	mg
			Supplier	Iron (Fe)	7439-89-6		0.1542	mg
			Supplier	Copper (Cu)	7440-50-8		6.3921	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0052	mg
Iold Compound-Black	68.63	mg		Brominated epoxy resin	proprietary data		0.6863	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		0.549	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.6863	mg
			Supplier	Carbon Black (C)	1333-86-4		0.6863	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		57.6492	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		8.2356	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.1373	mg
lating	1.13	mg	В	Bismuth (Bi)	7440-69-9		0.0068	mg
			Supplier	Tin (Sn)	7440-31-5		1.1232	mg
Vire Bond	0.38	mg	Supplier	Platinum (Pt)	7440-06-4		0.0027	mg
			Supplier	Palladium (Pd)	7440-05-3		0.0009	mg
			Supplier	Gold (Au)	7440-57-5		0.3764	mg