ASOCIATION CONNECTING ASOCIATION CONNECTING MOUSTRESS International and Pan-American co	ourn, Illinois, All rights reserved und	der both This docume level parts, t	ent is a declaration entite the declaration e	on of the substance ncompasses all low	es within the manufacture ver level materials for wh	er listed item. Note: if thich the manufacturer h	the item is an as	sembly with lower responsibility.	
IPC Web Site for Information on I http://www.ipc.org/IPC-175x	IPC Web Site for Information on IPC-1752 Standard Form Type			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information					
Supplier Information									
Company name*	apany name* Company unique ID		Unique ID Authority			Response Date*			
onsemi	emi					2024-04-20			
Contact Name	Name Title - Contact		Phone - Contact*			Email - Contact*			
Product-Env-Stewards	uct-Env-Stewards Product Enviro Compliance		NA			Product-Env-Stewards@onsemi.com			
horized Representative* Title - Representative		•	Phone - Representative*			Email - Representative*			
Product-Env-Stewards Product Enviro Compliance			NA			Product-Env-Stewards@onsemi.com			
Requester Item Number Mfr Item	Number Mfr Item Name	Mfr Item Name		Version	Manufacturing Site	Weight*	UOM	Unit Type	
LB1668	M-TLM-E 2PH DRV SENSOR with hall sensor met	R NA ; Two phase driver thod (no speed control)	2024-04-20		РНМ	130.0	mg	Each	
Manufacturing Proccess Information									
Terminal Plating / Grid Array Material	Terminal Plating / Grid Array Material Terminal Base Alloy J-STI		Peak Process Body Temperature Max Time at Peak			Temperature Number of Reflow Cycles			
contains Bi	contains Bi CU Alloy 3		260	С	30	seconds 3			
Comments									
ATTENTION: MSL 3 Rated item requires Bake and D	Dry Pack (after electrical test)								
For more information regarding material composition	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 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	ances per the definitio	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	5.47	mg	Supplier	Silicon (Si)	7440-21-3		5.4498	mg
			Supplier	Polyimide	Proprietary Data		0.0202	mg
Die Attach	0.44	mg	Supplier	Silver (Ag)	7440-22-4		0.3366	mg
			Supplier	Epoxy resins	129915-35-1		0.1034	mg
Lead Frame	15.4	mg	Supplier	Zinc (Zn)	7440-66-6		0.0293	mg
			Supplier	Iron (Fe)	7439-89-6		0.3989	mg
			Supplier	Copper (Cu)	7440-50-8		14.9503	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0216	mg
Mold Compound-Black	106.64	mg		Epoxy Phenol Resin	proprietary data		11.7304	mg
			Supplier	Carbon Black (C)	1333-86-4		0.5332	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		48.5212	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		45.8552	mg
Plating	1.72	mg	В	Bismuth (Bi)	7440-69-9		0.0103	mg
			Supplier	Tin (Sn)	7440-31-5		1.7097	mg
Wire Bond - Au	0.33	mg	Supplier	Gold (Au)	7440-57-5		0.33	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).