ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES INDUSTRIES International and Pan-Am	Bannockbu	ırn, Illinois. A	ll rights reserved un tions.	nder both	This docum level parts, 1	ent is a declara	tion of the encompass	substance ses all low	es within the may ver level materi	anufacture als for wh	er listed i hich the 1	item. Note: nanufacture	if the item is an as er has engineering	ssembly with lower responsibility.	
				Form Type ³ Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Material					als and N	ls and Mfg Information				
Supplier Information															
Company name*	Company unique ID				Unique ID Authority					Response Date*					
onsemi											2023-06-08				
Contact Name Title - Contact			et	Phone - Contact*				Email - Contact*							
Product-Env-Stewards Produ			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Rep			e - Representative			Phone - Representative*				Email - Representative*					
Product-Env-Stewards Produ			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Requester Item Number	Mfr Item I	Number Mfr Item Name			Effective Dat	e Versio	n	Manufacturing Site			Weight*	UOM	Unit Type		
	LB11851FA-BH 1PH GATE NA N driver (no speed c			e gate	2023-06-08				34.72		mg	Each			
Manufacturing Proccess Information															
Terminal Plating / Grid Array Material Terminal Base Alloy		Alloy J	-STD-020 MSL	Rating	Peak Pro	cess Body	Temperat	ure Max Time	e at Peak '	Tempera	ture Num	ber of Reflow Cy	cles		
Matte Tin (Sn) - annealed CU Alloy					260		С	30		seco	nds 3				
Comments															
level 1 - maximum time at peak temperature d	uring sold	lering is 10-3	0 seconds												
For more information regarding material com	position p	lease 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 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											
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	1.08	mg	Supplier	Silicon (Si)	7440-21-3		1.072	mg
			Supplier	Polyimide	Proprietary Data		0.008	mg
Die Attach 0.1	0.16	mg	Supplier	Silver (Ag)	7440-22-4		0.12	mg
			Supplier	Epoxy resins	129915-35-1		0.04	mg
Lead Frame 1'	17.83	mg	Supplier	Silver (Ag)	7440-22-4		0.4457	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0178	mg
			Supplier	Iron (Fe)	7439-89-6		0.4261	mg
			Supplier	Copper (Cu)	7440-50-8		16.9403	mg
Mold Compound-Black	14.85	mg		Epoxy Phenol Resin	proprietary data		1.5592	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		13.2908	mg
Plating	0.48	mg	Supplier	Tin (Sn)	7440-31-5		0.48	mg
Wire Bond - Au	0.32	mg	Supplier	Gold (Au)	7440-57-5		0.32	mg