ASSOCIATION CONNICE INCLUS	© 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 declarati he declaration e	on of the su ncompasses	bstances v all lower	within the manufactur level materials for w	er listed i hich the n	tem. Note: i nanufacturer	f the item is an as has engineering	sembly 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 					als and Mfg Information					
Supplier Info	ormation														
Company name*			Company unique ID				Unique ID Authority					Response Date*			
onsemi										2024-04-30					
Contact Name		Title - Contact				Phone - Contact*				Email - Contact*					
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorized Rep	presentative*	Title - Representative				Phone - Representative*				Email - Representative*					
Product-Env-S	Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
Requ	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	Version	rsion Manufacturing Site			Weight*	UOM	Unit Type	
		LB1836M-TLM-E H-bridge motor dr		river	2024-04-3			P	РНМ		130.0	mg	Each		
Manufacturi	ing Proccess Information	1													
Term	Terminal Plating / Grid Array Material			erminal Base Alloy J-STD-020 MSL			Peak Process Body Temperature Max Time at Pea			k Temperature Number of Reflow Cycles					
contains Bi CU Allo			U Alloy	oy 3			260 C 30			seconds 3					
Comments															
ATTENTION:	MSL 3 Rated item requires Ba	ike and D	ry Pack (after	electrical test)											
For more inform	mation regarding material con	position p	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), 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	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	5.07	mg	Supplier	Silicon (Si)	7440-21-3		5.0512	mg
			Supplier	Polyimide	Proprietary Data		0.0188	mg
Die Attach	0.42	mg	Supplier	Silver (Ag)	7440-22-4		0.3213	mg
			Supplier	Epoxy resins	129915-35-1		0.0987	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	107.06	mg		Epoxy Phenol Resin	proprietary data		11.7766	mg
			Supplier	Carbon Black (C)	1333-86-4		0.5353	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		48.7123	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		46.0358	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).