ASSOCIATION CONNECTING LECTRONICS INDUSTRIES® (COpyright 2005. IPC international and Pan-A	. Bannockh	urn, Illinois, A	ll rights reserved u ntions.	nder both	This docume level parts, t	ent is a declarati he declaration e	on of the subs ncompasses al	ances within the m l lower level mater	anufacture ials for whi	r listed item. Note: i ich the manufacture	f the item is an a has engineering	ssembly with lower responsibility.		
	IPC Web Site for Information on IPC-1752 Standard Form Ty				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and I					s and Mfg Informat	ion			
Supplier Information														
Company name* Co			Company unique ID			Unique ID Authority				Response Date*				
On Semiconductor											2020-06-01			
Contact Name Title - Contact			et	P		Phone - Contact*]	Email - Contact*				
Product-Env-Stewards Product Env			Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Representative			sentative	ntative !		Phone - Representative*]	Email - Representative*				
Product-Env-Stewards Product Enviro			nviro Compliance			NA			Product-Env-Stewards@onsemi.com					
Requester Item Number	Mfr Item Number		ber Mfr Item Name			Effective Date	Version	Manufacturin	Manufacturing Site		UOM	Unit Type		
	LB1936V	B1936V-TLM-E Stepping M		Motor Driver		2020-06-01		РНМ	РНМ		mg	Each		
Manufacturing Proccess Information	n		•				-							
Terminal Plating / Grid Array Mate	Terminal Plating / Grid Array Material Terminal Base A		Alloy J	J-STD-020 MSL Rating		Peak Process Body Temperature M		perature Max Tim	e at Peak T	ak Temperature Number of Reflow Cycles		cles		
contains Bi CU Alloy		3	3		260	С	30		seconds 3					
Comments														
ATTENTION: MSL 3 Rated item requires I	Bake and D	ry Pack (after	electrical test)											
or more information regarding material co	mposition	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 v 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.

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

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	3.95	mg	Supplier	Silicon (Si)	7440-21-3		3.9354	mg
			Supplier	Polyimide	n/a		0.0146	mg
Die Attach	0.83	mg	Supplier	Silver (Ag)	7440-22-4		0.5893	mg
			Supplier	Epoxy resins	129915-35-1		0.2407	mg
Lead Frame 6.	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
Mold Compound-Black	67.36	mg		Epoxy Phenol Resin	proprietary		8.0832	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2694	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		56.9866	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		2.0208	mg
Plating	1.13	mg	В	Bismuth (Bi)	7440-69-9		0.0068	mg
			Supplier	Tin (Sn)	7440-31-5		1.1232	mg
Wire Bond - Cu	0.17	mg	Supplier	Copper (Cu)	7440-50-8		0.17	mg