ASECCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Par	PC. Bannockb	ourn. Illinois. A	Il rights reserved un ntions.	nder both	This docume level parts, t	ent is a declaration en	n of the substa compasses all	nces within the manufactulower level materials for v	urer listed which the	item. Note: if manufacturer	f the item is an as has engineering	sembly with low responsibility.	
	21.1 IPC Web Site for Information on IPC-1752 Standard For http://www.ipc.org/IPC-175x Dis								Afg Informati	on			
upplier Information													
Company name* Comp			Company unique ID			Unique ID Authority				Response Date*			
onsemi							2			2023-06-08			
ontact Name Title - Contact			ct	Phone -		Phone - Contact	Contact*			Email - Contact*			
Product-Env-Stewards Product Enviro			viro Compliance		NA			Produ	Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Representative			ntative		Phone - Representative*			Email	Email - Representative*				
Product-Env-Stewards Product E			duct Enviro Compliance			NA			Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
	LB8503	LB8503V-W-AH MOTOR SPEED C		CONTRAL IC		2023-06-08	8 PHM			80.0	mg	Each	
Ianufacturing Proccess Informa	tion												
Terminal Plating / Grid Array M	Terminal Plating / Grid Array Material Terminal Base A		Alloy J	-STD-020 MSI	Rating	Peak Proce	ss Body Tempe	erature Max Time at Pea	k Tempera	ture Numb	er of Reflow Cyc	cles	
contains Bi CU Alloy		3	3		260	C	30	seco	nds 3				
omments													
TTENTION: MSL 3 Rated item require	s Bake and D	ry Pack (after	electrical test)										
or 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), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP).									
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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	2.0	mg	Supplier	Silicon (Si)	7440-21-3		1.9926	mg
			Supplier	Polyimide	Proprietary Data		0.0074	mg
Die Attach	0.39	mg	Supplier	Silver (Ag)	7440-22-4		0.2769	mg
			Supplier	Epoxy resins	129915-35-1		0.1131	mg
Lead 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
Mold Compound-Black	69.75	mg		Phenolic Resin	proprietary data		3.4875	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		1.953	mg
			Supplier	Carbon Black (C)	1333-86-4		0.6975	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		2.0925	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		55.8	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		5.58	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.1395	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

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).