	© Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under international and Pan-American copyright conventions.			under both	This docum level parts, t	ocument is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lowe arts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.							ssembly with lower responsibility.		
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				e *	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					als and Mfg Information				
Supplier	Information														
Company name* Com				Company unique ID			Unique ID Authority					Response Date*			
onsemi										2024-0	2024-05-03				
Contact Na	ame	Title - Contact				Phone - Contact*				Email	Email - Contact*				
Product-E	nv-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
Authorized	Representative*	Title - Representative				Phone - Representative*				Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number	Number Mfr Item Name				Effective Date Version Manufacturing Si		Manufacturing Site	Weight*		UOM	Unit Type			
	LB11660FV-TLM		FV-TLM-E	1PH PRE SENSOR OPEN ; Single phase pre-driver with hall sensor method (open loop speed control)			2024-05-03	3		РНМ		80.0	mg	Each	
Manufac	turing Proccess Information	ı													
,	Terminal Plating / Grid Array Materi	Ferminal Base Alloy J-STD-020 M		J-STD-020 MS	L Rating	Peak P	ak Process Body Temperatu		ure Max Time at Peak Tempera		perature Number of Reflow Cycles		cles		
	contains Bi CU Alloy				3	260 C 30					seconds 3				
Comments															
ATTENTI	ON: MSL 3 Rated item requires Ba	ke and D	ry Pack (after	electrical test)											
For more i	nformation regarding material con	position]	please 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 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 (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 co 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 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	2.94	mg	Supplier	Silicon (Si)	7440-21-3		2.9291	mg
		-	Supplier	Polyimide	Proprietary Data		0.0109	mg
Die Attach	0.6	mg	Supplier	Silver (Ag)	7440-22-4		0.4082	mg
			Supplier	Epoxy resins	129915-35-1		0.1735	mg
			Supplier	Other Metal Oxide	Proprietary Data		0.0131	mg
			В	Antimony Pentoxide (Sb2O5)	1314-60-9		0.0052	mg
ead 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
Iold Compound-Black	68.39	mg		Brominated epoxy resin	proprietary data		0.6839	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		0.5471	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.6839	mg
			Supplier	Carbon Black (C)	1333-86-4		0.6839	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		57.4476	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		8.2068	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.1368	mg
lating	1.13	mg	В	Bismuth (Bi)	7440-69-9		0.0068	mg
			Supplier	Tin (Sn)	7440-31-5		1.1232	mg
Vire Bond	0.38	mg	Supplier	Platinum (Pt)	7440-06-4		0.0027	mg
			Supplier	Palladium (Pd)	7440-05-3		0.0009	mg
			Supplier	Gold (Au)	7440-57-5		0.3764	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 signa range of distribution unless otherwise noted).