	© Copyright 2005. IPC, international and Pan-Ar	Bannockb	urn. Illinois. A	ll rights reserved untions.	inder both	This docum level parts,	ent is a declar the declaratio	ration of n encom	f the substance npasses all low	es within the mar ver level material	ufacturer li s for which	isted item. Note: if the manufacturer	the item is an a has engineering	ssembly with lower responsibility.	
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form 7 http://www.ipc.org/IPC-175x Distrib				Form Type Distribute	/pe * Declaration Class * te Class 6 - RoHS Yes/No, Homogeneous Ma				Materials a	erials and Mfg Information				
Supplier	Information														
Company name*			Company unique ID			Unique ID Authority					Response Date*				
onsemi											2023-06-08				
Contact Na	ame	Title - Contact			Phone - Contact*				En	Email - Contact*					
Product-E	Inv-Stewards	Product Enviro Compliance			NA				Pi	Product-Env-Stewards@onsemi.com					
Authorized	l Representative*	Title - Representative			Phone - Representative*			En	Email - Representative*						
Product-Env-Stewards			Product Enviro Compliance			NA				Pi	Product-Env-Stewards@onsemi.com				
	Requester Item Number	Mfr Item	Number Mfr Item Name				Effective Da	ate Ve	ersion	Manufacturing Site		Weight*	UOM	Unit Type	
	LB11850VA-		VA-TLM-E	TLM-E 1PH PRE SENSOR CLOSE ; Single phase pre-driver with hall sensor method (closed loop speed control)			2023-06-08 PHM			100.0	mg	Each			
Manufac	cturing Proccess Information	n													
	Terminal Plating / Grid Array Materi	al T	Ferminal Base Alloy J-STD-020		J-STD-020 MSL	Rating	Peak Process Body Temperature		ure Max Time	at Peak Ten	nperature Numb	er of Reflow Cy	cles		
	contains Bi CU Al			Alloy 3			260 C 30				seconds 3				
Comments															
ATTENTI	ON: MSL 3 Rated item requires Ba	ake and D	ry Pack (after	electrical test)											
for more i	nformation regarding material con	nposition]	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	oHS 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	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	3.76	mg	Supplier	Silicon (Si)	7440-21-3		3.7322	mg
			Supplier	Polyimide	Proprietary Data		0.0278	mg
Die Attach	0.77	mg	Supplier	Silver (Ag)	7440-22-4		0.5239	mg
			Supplier	Epoxy resins	129915-35-1		0.2227	mg
			Supplier	Other Metal Oxide	Proprietary Data		0.0168	mg
			В	Antimony Pentoxide (Sb2O5)	1314-60-9		0.0066	mg
ead Frame	48.01	mg	Supplier	Zinc (Zn)	7440-66-6		0.0912	mg
			Supplier	Iron (Fe)	7439-89-6		1.2435	mg
			Supplier	Copper (Cu)	7440-50-8		46.6081	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0672	mg
Iold Compound-Black	45.79	mg		Brominated epoxy resin	proprietary data		0.4579	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		0.3663	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.4579	mg
			Supplier	Carbon Black (C)	1333-86-4		0.4579	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		38.4636	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		5.4948	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.0916	mg
lating	1.1	1.1 mg	В	Bismuth (Bi)	7440-69-9		0.0066	mg
			Supplier	Tin (Sn)	7440-31-5		1.0934	mg
Wire Bond - Au	0.57	mg	Supplier	Gold (Au)	7440-57-5		0.57	mg