	CONNECTING CODYright 2005. IPC, International and Pan-Ar	Bannockb	urn, Illinois, A	ll rights reserved untions.	under both	This docum level parts, t	ent is a decla he declaratio	ation of the station of the state of the sta	he substance basses all low	s within the manufactur er level materials for w	rer listed	item. Note: if manufacturer	the item is an a has engineering	ssembly with lower responsibility.
1752-21.1					Form Type Distribute	e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				als and Mfg Information				
Supplier 1	Information													
Company na	ame*	Company unique ID			Unique ID Authority				Response Date*					
onsemi											2023-06-08			
Contact Nar	ne		Title - Contact			Phone - Contact*				Email - Contact*				
Product-En	v-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 Site		Weight*	UOM	Unit Type		
	LB11961V-TL		V-TLM-E	E 1PH DRV SENSOR OPEN ; Single phase driver with hall sensor method (open loop speed control)			2023-06-08			РНМ		80.0	mg	Each
Manufact	uring Proccess Information	ı												
Т	Terminal Plating / Grid Array Material T			erminal Base Alloy J-STD-		Rating	Peak Process		ess Body Temperature Max Time at Peak		Temperature Number of Reflow Cycles		cles	
contains Bi CU Alloy				3 260 C 30				30	seconds 3					
Comments														
ATTENTIO	N: MSL 3 Rated item requires Ba	ke and D	ry Pack (after	electrical test)										
For more in	formation regarding material con	position j	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 Chror	S 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 Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl alate (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	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	2.87	mg	Supplier	Silicon (Si)	7440-21-3		2.8594	mg
			Supplier	Polyimide	Proprietary Data		0.0106	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	68.46	mg		Brominated epoxy resin	proprietary data		0.6846	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		0.5477	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.6846	mg
			Supplier	Carbon Black (C)	1333-86-4		0.6846	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		57.5064	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		8.2152	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.1369	mg
lating	1.13	mg	В	Bismuth (Bi)	7440-69-9		0.0068	mg
			Supplier	Tin (Sn)	7440-31-5		1.1232	mg
Wire Bond - Au	0.38	mg	Supplier	Gold (Au)	7440-57-5		0.38	mg