	© Copyright 2005. IPC	. Bannockh	urn, Illinois, A	Il rights reserved untions.	under both	This docum level parts, t	ent is a declar he declaratio	ration of n encomp	the substance the substance appasses all low	s within the manufactur er level materials for w	rer listed	item. Note: if manufacturer	the item is an a nas engineering	ssembly with lower responsibility.	
1752-21.1					Form Type Distribute					, Homogeneous Materi	rials and Mfg Information				
Supplier	Information				· ·										
Company 1	name*	Company un	Company unique ID			Unique ID Authority				Response Date*					
onsemi											2023-06-08				
Contact Na	ame	Title - Contact			Phone - Contact*				Email - Contact*						
Product-E	nv-Stewards	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com						
Authorized	l 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 T-TLM-E 3PH PRE SENSOR CLOSE ; Three phase pre-driver with hall sensor method (closed loop speed control)				Effective Date Version Manufacturing Sit		Manufacturing Site	Weight*		UOM	Unit Type			
	LB11921					2023-06-08	6-08 РНМ			150.0	mg	Each			
Manufac	cturing Proccess Informatio	n													
,	Terminal Plating / Grid Array Mater	erminal Base Alloy J-STD-020 MS		J-STD-020 MSL	Rating	Peak Process Body Temperature		ure Max Time at Peak	k Temperature Number of Re		r of Reflow Cy	cles			
contains Bi CU Alloy				3 260 C			С	30	seco	nds 3					
Comments															
ATTENTI	ON: MSL 3 Rated item requires B	ake and D	ry Pack (after	electrical test)											
For more i	nformation regarding material co	nposition	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		nium (Cr6+), Polybro	ominated Biphenyls (PBB), Polybron	dmium and quantity limit of 0.1% by mass (100 minated Diphenyl Ethers (PBDE), and Bis(2-eth							
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 contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
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	5.21	mg	Supplier	Silicon (Si)	7440-21-3		5.1714	mg
			Supplier	Polyimide	Proprietary Data		0.0386	mg
Die Attach	1.06	mg	Supplier	Silver (Ag)	7440-22-4		0.7212	mg
			Supplier	Epoxy resins	129915-35-1		0.3066	mg
			Supplier	Other Metal Oxide	Proprietary Data		0.0231	mg
			В	Antimony Pentoxide (Sb2O5)	1314-60-9		0.0091	mg
ead Frame	45.0	mg	Supplier	Zinc (Zn)	7440-66-6		0.0585	mg
			Supplier	Iron (Fe)	7439-89-6		1.0575	mg
			Supplier	Copper (Cu)	7440-50-8		43.848	mg
			Supplier	Phosphorus (P)	7723-14-0		0.036	mg
Iold Compound-Black	95.69	mg		Epoxy Phenol Resin	proprietary data		11.4828	mg
			Supplier	Carbon Black (C)	1333-86-4		0.3828	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		80.9537	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		2.8707	mg
Plating	2.19	mg	В	Bismuth (Bi)	7440-69-9		0.0131	mg
			Supplier	Tin (Sn)	7440-31-5		2.1769	mg
Wire Bond - Au	0.85	mg	Supplier	Gold (Au)	7440-57-5		0.85	mg