	Material Composit © Copyright 2005. IPC, I INDUSTRIES® international and Pan-An	Bannockbi	urn, Illinois, A	ll rights reserved untions.	inder both	This docum level parts, t	ent is a dec he declarat	laration ion enc	of the substate compasses all l	nces w lower	vithin the manufactur level materials for wh	er listed	item. Note: if 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 Type * http://www.ipc.org/IPC-175x Distribute				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					als and Mfg Information				
Supplier I	Information														
Company na	ame*	Company unique ID			Unique ID Authority					Response Date*					
onsemi												2023-06-08			
Contact Nan	ne	Title - Contact			Phone - Contact*					Email - Contact*					
Product-En	v-Stewards	Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com				
Authorized 1	Representative*	Title - Representative			Phone - Representative*				Email - Representative*						
Product-En	Product-Env-Stewards			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
ł	Requester Item Number Mfr Item LV8133J		Number Mfr Item Name				Effective	Date	te Version Manufacturing Site		Ianufacturing Site	Weight*		UOM	Unit Type
			A-AH	-AH 3PH PRE SENSOR OPEN ; Three phase pre- driver with hall sensor method (open loop speed control)			2023-06-0)8					130.0	mg	Each
Manufact	uring Proccess Information	ı													
Т	Terminal Plating / Grid Array Material Ter			erminal Base Alloy J-STD-020 N		Rating	Peak Process Body		s Body Tempe	ly Temperature Max Time at Peak		Temperature Number of		er of Reflow Cy	cles
contains Bi CU Alloy					3		260		С		30	seco	onds 3		
Comments															
ATTENTIO	N: MSL 3 Rated item requires Ba	ke and Di	ry Pack (after	electrical test)											
For more int	formation regarding material com	position p	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	efinition: 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 rcury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl (BBP), Dibutyl phthalate (DBP), Disobutyl 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 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 fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.												
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	3.66	mg	Supplier	Silicon (Si)	7440-21-3		3.6465	mg
			Supplier	Polyimide	Proprietary Data		0.0135	mg
Die Attach	0.99	mg	Supplier	Silver (Ag)	7440-22-4		0.7029	mg
			Supplier	Epoxy resins	129915-35-1		0.2871	mg
Lead Frame	6.59	mg	Supplier	Zinc (Zn)	7440-66-6		0.0125	mg
			Supplier	Iron (Fe)	7439-89-6		0.1707	mg
			Supplier	Copper (Cu)	7440-50-8		6.3976	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0092	mg
Iold Compound-Black	116.56	mg		Phenolic Resin	proprietary data		5.828	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		3.2637	mg
			Supplier	Carbon Black (C)	1333-86-4		1.1656	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		3.4968	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		93.248	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		9.3248	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.2331	mg
Plating	1.84	mg	В	Bismuth (Bi)	7440-69-9		0.011	mg
			Supplier	Tin (Sn)	7440-31-5		1.829	mg
Wire Bond - Au	0.36	mg	Supplier	Gold (Au)	7440-57-5		0.36	mg