	© Copyright 2005. IPC, international and Pan-Ar	Bannockb	urn. Illinois. A	ll rights reserved untions.	under both	This docum level parts,	ent is a declar the declaratio	ration of n encon	f the substance npasses all low	s within the manufacture relevel materials for w	arer 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 Materi					als and Mfg Information				
Supplier Ir	nformation														
Company name*			Company unique ID			Unique ID Authority					Response Date*				
onsemi												2023-06-08			
Contact Name	e	Title - Contact			Phone - Contact*				Email	Email - Contact*					
Product-Env	y-Stewards	Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com					
Authorized R	Representative*	Title - Representative			Phone - Representative*				Email	Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com				
Re	equester Item Number	Number Mfr Item Name				Effective Date Version		Version Manufacturing Site			Weight*	UOM	Unit Type		
	LB11964F4		FA-BH	A-BH 1PH DRV SENSOR NA ; Single phase driver with hall sensor method (no speed control)			2023-06-08					31.12	mg	Each	
Manufactu	iring Proccess Information	1													
Terminal Plating / Grid Array Material Ter			erminal Base Alloy J-STD-020 MSL		L Rating	Peak Process Body Temperature Max		ure Max Time at Pea	k Temperature Number of Reflow Cycles		cles				
Matte Tin (Sn) - annealed CU Alloy					1		260		С	30	seco	onds 3			
Comments															
evel 1 - maxi	mum time at peak temperature o	luring sol	dering is 10-3	0 seconds											
or more info	ormation 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 Chror	HS 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 halate (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 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	ances per the definitio	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	1.32	mg	Supplier	Silicon (Si)	7440-21-3		1.3102	mg
			Supplier	Polyimide	Proprietary Data		0.0098	mg
Die Attach	0.19	mg	Supplier	Silver (Ag)	7440-22-4		0.1425	mg
			Supplier	Epoxy resins	129915-35-1		0.0475	mg
Lead Frame	14.26	mg	Supplier	Silver (Ag)	7440-22-4		0.3565	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0143	mg
			Supplier	Iron (Fe)	7439-89-6		0.3408	mg
			Supplier	Copper (Cu)	7440-50-8		13.5484	mg
Mold Compound-Black	14.67	mg		Epoxy Phenol Resin	proprietary data		1.5403	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		13.1297	mg
Plating	0.38	mg	Supplier	Tin (Sn)	7440-31-5		0.38	mg
Wire Bond - Au	0.3	mg	Supplier	Gold (Au)	7440-57-5		0.3	mg