ASSOCIATION CONNECTIN ELECTRONICS INDUSTRIE	Material Composi © Copyright 2005. IPC, international and Pan-Ar	Bannockb	urn, Illinois. A	Il rights reserved untions.	nder both	This docum level parts, t	ent is a declara the declaration	tion of the s encompasse	substances es all lower	within the manufactu r level materials for v	vhich the	item. Note: i manufacturer	f the item is an as has engineering	sembly with lower responsibility.	
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				*	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					als and Mfg Information				
Supplier Inforn	ation														
Company name*			Company unique ID				Unique ID Authority				Respor	Response Date*			
onsemi											2023-0	2023-06-08			
Contact Name			Title - Contact				Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorized Representative*			Title - Representative				Phone - Representative*			Email	Email - Representative*				
Product-Env-Stewa	ırds	Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com				
Request	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Dat	e Version	rsion Manufacturing Site			Weight*	UOM	Unit Type	
		LC898201TA-NH		Motor Driver			2023-06-08		F	РНМ		140.0	mg	Each	
Manufacturing	Proccess Information	n													
Terminal Plating / Grid Array Material			erminal Base Alloy J-STD-020 MSL		L Rating	Peak Pro	Peak Process Body Temperatur		re Max Time at Peal	c Tempera	ture Numb	er of Reflow Cyd	eles		
Matte Tin (Sn) - annealed CU			U Alloy 3			260 C 30		30	seco	nds 3					
Comments															
ATTENTION: MSI	. 3 Rated item requires Ba	ike and D	ry Pack (after	electrical test)											
For more informati	on 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	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.

Substance Instructions: [A] select the Level (JIG A, JIG B, Requester or Supplier) [B] select the substance category (JIG or Requester) or enter a value (Supplier). [C] select the substance (JIG) or enter the substance and CAS (Other). [D] select a RoHS exemption, if applicable [E] enter the weight of the substance or the PPM concentration [F] Optionally enter the positive (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	13.79	mg	Supplier	Silicon (Si)	7440-21-3		13.7197	mg
			Supplier	Polyimide	Proprietary Data		0.0703	mg
Die Attach	3.67	mg	Supplier	Silver (Ag)	7440-22-4		2.8626	mg
			Supplier	Epoxy resins	129915-35-1		0.734	mg
			Supplier	Polybutadiene polymer	Proprietary Data		0.0734	mg
Lead Frame	49.8	mg	Supplier	Silver (Ag)	7440-22-4		0.7968	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0548	mg
			Supplier	Iron (Fe)	7439-89-6		1.1504	mg
			Supplier	Copper (Cu)	7440-50-8		47.7682	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0299	mg
Mold Compound-Black	68.74	mg		Epoxy Phenol Resin	proprietary data		0.0344	mg
			Supplier	Carbon Black (C)	1333-86-4		0.3093	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		60.4912	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		7.9051	mg
Plating	3.1	mg	Supplier	Tin (Sn)	7440-31-5		3.1	mg
Wire Bond	0.9	mg	Supplier	Palladium (Pd)	7440-05-3		0.009	mg
			Supplier	Gold (Au)	7440-57-5		0.891	mg