ASSOCIATION CONNE	Material Composit © Copyright 2005. IPC, I international and Pan-An	Bannockbi	urn, Illinois. A	Il rights reserved untions.	under both	This docum level parts, t	ent is a declara	ation of the encompas	substance ses all low	s within the manufac er level materials for	turer listed which the	l item. Note: manufacture	if the item is an as r has engineering	ssembly with lower responsibility.	
1752-21.1					Form Type Distribute						erials and	ials and Mfg Information			
Supplier Info	ormation														
Company name*			Company unique ID			Unique ID Authority				Respo	Response Date*				
onsemi											2023-0	2023-06-08			
Contact Name			Title - Contact				Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Rep	resentative*	Title - Representative			Phone - Representative*			Email	Email - Representative*						
Product-Env-St	tewards	Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com				
Requ	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Da	te Versio	n	Manufacturing Site		Weight*	UOM	Unit Type	
	MCH3914-8-TL-H		NCH J-FET		2023-06-08			CNG		7.44	mg	Each			
Manufacturi	ng Proccess Information	L													
Termi	Terminal Plating / Grid Array Material Te			erminal Base Alloy J-STD-020 MSL		L Rating	Peak Process Body Temperatu		ure Max Time at Peak Temper		rature Num	ber of Reflow Cy	cles		
contains Bi CU Alloy				1		260		С	30	sec	onds 3				
Comments															
level 1 - maximu	ım time at peak temperature d	uring sole	dering is 10-3	0 seconds											
For more inform	nation regarding material com	position p	olease 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), 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	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	0.05	mg	Supplier	Silicon (Si)	7440-21-3		0.05	mg
Lead Frame	2.79	mg	Supplier	Silver (Ag)	7440-22-4		0.0778	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0053	mg
			В	Nickel (Ni)	7440-02-0		0.0131	mg
			Supplier	Iron (Fe)	7439-89-6		0.07	mg
			Supplier	Copper (Cu)	7440-50-8		2.6198	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0039	mg
Mold Compound-Black	4.54	mg		Epoxy Phenol Resin	proprietary data		0.0363	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0454	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.2724	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		3.632	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.5448	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.0091	mg
Plating	0.05	mg	В	Bismuth (Bi)	7440-69-9		0.0003	mg
			Supplier	Tin (Sn)	7440-31-5		0.0497	mg
Wire Bond - Au	0.01	mg	Supplier	Gold (Au)	7440-57-5		0.01	mg

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 sigma range of distribution unless otherwise noted).