ABBOGIATION CONNECTING ELECTRODUCES INDUSTRIES® INCOMPACTING OCOPYRIGHT 2005. IPC, Ban international and Pan-Americ	nockburn, Illinois. A	Il rights reserved u ntions.	under both	This docume level parts, t	ent is a declar he declaration	ation of the an encompass	substances es all lowe	within the manufa r level materials fo	cturer listed r which the	item. No manufac	ote: if the cturer has	item is an as engineering	sembly with lower responsibility.	
	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 Materia					als and Mfg Information				
Supplier Information														
Company name* Company unique ID				Unique ID Authority					Respo	Response Date*				
nsemi					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 Representative* Title - Representative]	Phone - Representative*				Email	Email - Representative*				
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com				
Requester Item Number Mf	Item Number Mfr Item Nam		e		Effective Da	te Version	n]	Manufacturing Site		Weight	t*	UOM	Unit Type	
74	HC112MTC Dual J-K F/F w/Pr		reset/Clr		2023-06-08 PH		PH4		56.427		mg	Each		
Manufacturing Proccess Information												1		
Terminal Plating / Grid Array Material	Terminal Base	Ferminal Base Alloy		L Rating	Peak Pr	Peak Process Body Temperature		re Max Time at Peak Temper		ature N	ture Number of Reflow Cycles			
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn) CU Alloy		1	1		260 C		С	30		onds 3	ds 3			
Comments														
evel 1 - maximum time at peak temperature duri	ng soldering is 10-3	0 seconds												
or more information regarding material compos	ition 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), 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 co 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.

sigma range of distribution unless otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	0.74	mg	Supplier	Silicon (Si)	7440-21-3		0.74	mg	
Die Attach	0.084	mg	Supplier	Silver (Ag)	7440-22-4		0.0672	mg	
			Supplier	Phenolic Resin-2	54208-63-8		0.0168	mg	
Lead Frame	23.228	mg	Supplier	Magnesium (Mg)	7439-95-4		0.035	mg	
			Supplier	Silicon (Si)	7440-21-3		0.151	mg	
			В	Nickel (Ni)	7440-02-0		0.742	mg	
			Supplier	Copper (Cu)	7440-50-8		22.3	mg	
Mold Compound-Black	31.8	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		6.36	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.318	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		25.122	mg	
Plating	0.178	mg	Supplier	Palladium (Pd)	7440-05-3		0.005	mg	
			В	Nickel (Ni)	7440-02-0		0.17	mg	
			Supplier	Gold (Au)	7440-57-5		0.003	mg	
Wire Bond - Au	0.397	mg	Supplier	Gold (Au)	7440-57-5		0.397	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)