ASSOCIATION CONNECTING LECTRONCS INDUSTRIES INDUSTRIES	Bannockburn, Illinois, A	All rights reserved un ntions.	der both leve	is docume el parts, th	nt is a declaration ne declaration en	n of the substanc compasses all lov	es within the manufactur wer level materials for w	er listed it hich the m	em. Note: if anufacturer	the item is an as has engineering	sembly with lower responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Typ			* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materia				als and Mfg Information				
Supplier Information												
Company name* Company unique ID			Unique ID Authority				Response Date*					
ısemi									2023-06-08			
Contact Name	Title - Contact			F	Phone - Contact*				Email - Contact*			
Product-Env-Stewards	act-Env-Stewards Product Enviro Compliance			NA			Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Representative				Phone - Representative*				Email - Representative*				
Product-Env-Stewards Product Enviro Complia			mpliance N		NA			Product-Env-Stewards@onsemi.com				
Requester Item Number	Mfr Item Number	Mfr Item Name			Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
	MC74HC377ADWG	IC74HC377ADWG IC FLIP/FLOP OC			2023-06-08	-06-08 PH1		5	517.71	mg	Each	
Manufacturing Proccess Information										·	·	
Terminal Plating / Grid Array Materia	minal Plating / Grid Array Material Terminal Base Alloy		STD-020 MSL Ra	ating	Peak Proce	s Body Tempera	ture Max Time at Peak	Temperati	ure Numb	er of Reflow Cyc	eles	
Matte Tin (Sn) - annealed CU Alloy 3					260	С	30	second	ds 3			
Comments												
ATTENTION: MSL 3 Rated item requires Ba	ke and Dry Pack (afte	r electrical test)										
or more information regarding material com	position please refer to	o page 3										

RoHS Material Composition Declaration				Declaration Type *	Detailed					
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	toHS 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 hthalate (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 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	9.33	mg	Supplier	Silicon (Si)	7440-21-3		9.33	mg	
Die Attach	20.68	mg	Supplier	Silver (Ag)	7440-22-4		15.51	mg	
			Supplier	Epoxy resins	129915-35-1		5.17	mg	
Lead Frame 3	323.98	mg	Supplier	Silver (Ag)	7440-22-4		3.2398	mg	
			Supplier	Zinc (Zn)	7440-66-6		0.648	mg	
			Supplier	Iron (Fe)	7439-89-6		8.4235	mg	
			Supplier	Copper (Cu)	7440-50-8		311.6688	mg	
Mold Compound-Black	158.46	mg		Epoxy Phenol Resin	proprietary data		16.6383	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		141.8217	mg	
Plating	4.79	mg	Supplier	Tin (Sn)	7440-31-5		4.79	mg	
Wire Bond - Cu	0.47	mg	Supplier	Copper (Cu)	7440-50-8		0.47	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 signa range of distribution unless otherwise noted).