ASSOCIATION CONNECTING ELECTROMICS INDUSTRIES® International and Pan-Ame	annockburn, Illinois.	All rights reserved u	under both	This docume level parts, t	ent is a declaration er	on of the sub compasses	ostances w all lower	vithin the manufactu level materials for v	rer listed i which the r	tem. Note: nanufacture	if the item is an as r has engineering	sembly with low responsibility.	
			Form Type * Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg					Ifg Informat	tion			
upplier Information													
Company name* Company unique ID				Unique ID Authority				Response Date*					
semi									2023-06-08				
Contact Name	Title - Contact			I	Phone - Contact*				Email -	Email - Contact*			
duct-Env-Stewards Product Enviro Compliance					NA				Product-Env-Stewards@onsemi.com				
uthorized Representative* Title - Representative]	Phone - Representative*				Email - Representative*				
Product-Env-Stewards Product Enviro Compliance			e N		NA			Produc	Product-Env-Stewards@onsemi.com				
Requester Item Number N	Ifr Item Number	Mfr Item Name			Effective Date	Version	M	Manufacturing Site		Weight*	UOM	Unit Type	
N	AM74HC138MX	IC138MX 3-TO-8 LINE DECO			2023-06-08	PH1			147.6	mg	Each		
Aanufacturing Proccess Information		·			•								
Terminal Plating / Grid Array Material	Terminal Base Alloy J-S		J-STD-020 MSL	Rating	Peak Process Body Tempera		mperature	ure Max Time at Peak Tempe		ture Num	ber of Reflow Cyc	les	
Matte Tin (Sn) - annealed CU Alloy			1		260		С	30	secor	nds 3			
omments													
vel 1 - maximum time at peak temperature du	ring soldering is 10-	30 seconds											
or more information regarding material comp	osition please refer	o 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), Dibutyl 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 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	4.35	mg	Supplier	Silicon (Si)	7440-21-3		4.35	mg
Die Attach	0.44	mg		Epoxy resin	proprietary data		0.044	mg
			Supplier	Ethylene dimethacrylate	97-90-5		0.022	mg
			Supplier	Silver (Ag)	7440-22-4		0.352	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.022	mg
Lead Frame	46.4	mg	Supplier	Silver (Ag)	7440-22-4		0.2042	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0603	mg
			Supplier	Iron (Fe)	7439-89-6		1.1136	mg
			Supplier	Copper (Cu)	7440-50-8		45.0034	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0186	mg
Mold Compound-Black	93.9	mg		Epoxy resin	proprietary data		6.573	mg
			Supplier	Phenolic Resin	Proprietary Data		2.3475	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		7.0425	mg
			Supplier	Carbon Black (C)	1333-86-4		0.4695	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		75.12	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		2.3475	mg
Plating	2.31	mg	Supplier	Tin (Sn)	7440-31-5		2.31	mg
Wire Bond - Cu	0.2	mg	Supplier	Copper (Cu)	7440-50-8		0.2	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).