ABSOCIATION CONNECTING ELECTRATION CONNECTING ELECTRATION CONNECTING INDUSTRIES INDUSTRIES	burn, Illinois. All r	rights reserved uno	der both le	his docume evel parts, th	ent is a declarati he declaration e	on of the sub ncompasses	ostances v all lower	within the manufacture level materials for wh	er listed i hich the n	tem. Note: in nanufacturer	f the item is an as has engineering	sembly with lower responsibility.
IPC Web Site for Information on http://www.ipc.org/IPC-175x	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 Materials and Mfg Information 					on		
Supplier Information												
Company name* Company unique ID				Unique ID Authority					Response Date*			
emi									2023-06-08			
Contact Name	Title - Contact			1	Phone - Contact*				Email - Contact*			
Product-Env-Stewards	-Env-Stewards Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Representative				Phone - Representative*				Email - Representative*				
Product-Env-Stewards Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Requester Item Number Mfr Iter	n Number M	Mfr Item Name			Effective Date	Version	М	Manufacturing Site		Weight*	UOM	Unit Type
MC74A	IC74ACT00DR2G LOG CMOS GATE		E NAND QUAD)	2023-06-08	23-06-08 PH1		H1		122.05	mg	Each
Manufacturing Proccess Information												
Terminal Plating / Grid Array Material	Terminal Base Alloy J-S		STD-020 MSL H	Rating	Peak Process Body Temperature		e Max Time at Peak	Temperature Number of		er of Reflow Cyd	eles	
Matte Tin (Sn) - annealed CU Alloy 1					260		С	30	secon	ids 3		
Comments												
level 1 - maximum time at peak temperature during so	dering is 10-30 s	seconds										
For more information regarding material composition	please refer to pa	age 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 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.

sigma range of distribution unless otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	0.98	mg	Supplier	Silicon (Si)	7440-21-3		0.98	mg	
Die Attach	4.44	mg		Epoxy resin	proprietary data		0.444	mg	
			Supplier	Ethylene dimethacrylate	97-90-5		0.222	mg	
			Supplier	Silver (Ag)	7440-22-4		3.552	mg	
			Supplier	Formaldehyde Polymer	9003-36-5		0.222	mg	
Lead Frame	69.62	mg	Supplier	Silver (Ag)	7440-22-4		0.7658	mg	
			Supplier	Zinc (Zn)	7440-66-6		0.1392	mg	
			Supplier	Iron (Fe)	7439-89-6		1.8101	mg	
			Supplier	Copper (Cu)	7440-50-8		66.9048	mg	
Mold Compound-Black	43.43	mg		Epoxy resin	proprietary data		2.1715	mg	
			Supplier	Phenolic Resin	Proprietary Data		2.1715	mg	
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.8686	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.2172	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		38.0013	mg	
Plating	3.27	mg	Supplier	Tin (Sn)	7440-31-5		3.27	mg	
Wire Bond - Au	0.31	mg	Supplier	Gold (Au)	7440-57-5		0.31	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).