ABSOCIATION CONNECTING ELECTRONICS INDUSTRIES® INFORMATION AND A	IPC, Bannock	burn, Illinois. A	Il rights reserved u ntions.	under both	This docume level parts, t	ent is a declar he declaratio	ration o n encor	of the substand mpasses all lo	ces with ower lev	in the manufac el materials for	cturer listed i r which the r	item. I nanufa	Note: if th acturer ha	he item is an as as engineering	ssembly with low responsibility.	
	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 Mate 					terials and M	ials and Mfg Information					
upplier Information																
Company name*			Company unique ID			Unique ID Authority					Respon	Response Date*				
onsemi											2023-06	2023-06-08				
Contact Name	act			Phone - Contact*					Email -	Email - Contact*						
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA					Produc	Product-Env-Stewards@onsemi.com					
Authorized Representative* Title			Title - Representative			Phone - Representative*				Email -	Email - Representative*					
Product-Env-Stewards	Product Enviro Compliance				NA				Produc	Product-Env-Stewards@onsemi.com						
Requester Item Number	Requester Item Number Mfr Item		n Number Mfr Item Name			Effective Date Version		resion	Manufacturing Site			Weigl	nt*	UOM	Unit Type	
	MC74A	MC74AC02DTR2G LOG CMC		G CMOS GATE NOR QUAD		2023-06-08				PH1		45.24		mg	Each	
Anufacturing Proccess Inform	ation						-				1			I		
Terminal Plating / Grid Array M	/aterial	Terminal Base	Alloy J	J-STD-020 MSL Rating		Peak Process		Body Temperature Max Time at Peal		eak Tempera	Temperature Number		of Reflow Cyc	cles		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1		1		260		С		30		seconds 3				
omments																
vel 1 - maximum time at peak tempera	ture during so	oldering is 10-3	0 seconds													
or more information regarding materia	d composition	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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	2.0	mg	Supplier	Silicon (Si)	7440-21-3		2	mg
Die Attach	1.44	mg		Epoxy resin	proprietary data		0.144	mg
			Supplier	Ethylene dimethacrylate	97-90-5		0.072	mg
			Supplier	Silver (Ag)	7440-22-4		1.152	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.072	mg
Lead Frame	22.54	mg	Supplier	Iron (Fe)	7439-89-6		0.4283	mg
			Supplier	Copper (Cu)	7440-50-8		22.1117	mg
Mold Compound-Black	19.0	mg		Epoxy resin	proprietary data		0.95	mg
			Supplier	Phenolic Resin	Proprietary Data		0.38	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.475	mg
			Supplier	Carbon Black (C)	1333-86-4		0.095	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		17.1	mg
Plating	0.04	mg	Supplier	Palladium (Pd)	7440-05-3		0.003	mg
			В	Nickel (Ni)	7440-02-0		0.0364	mg
			Supplier	Gold (Au)	7440-57-5		0.0006	mg
Wire Bond - Au	0.22	mg	Supplier	Gold (Au)	7440-57-5		0.22	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).