© Copyr	ial Composition right 2005. IPC, Ba onal and Pan-Amer	annockbu	ırn, Illinois. A	ll rights reserved untions.	under both	This docume level parts, t	ent is a decla he declaratio	ration of the	e substances sses all lowe	within th r level ma	e manufactur aterials for wh	er listed ite hich the ma	em. Not anufactu	e: if the it urer has er	em is an asse ngineering re	mbly with lowe sponsibility.
	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 Mater					als and Mfg Information					
Supplier Information																
Company name*		Company unique ID				Unique ID Authority					Response Date*					
onsemi											2023-06-08					
Contact Name		Title - Contact				Phone - Contact*					Email - Contact*					
Product-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 Nun	ster Item Number Mfr Iten		n Number Mfr Item Name				Effective D	ate Versi	on 1	Manufacturing Site		V	Veight*	U	JOM	Unit Type
	74ACT00M		МТСХ	FACT STD QUAD 2 INPT NAND			2023-06-08]	PH1		5	4.823	n	ng	Each
Manufacturing Proccess	Information			1				1								·
Terminal Plating / G	Terminal Plating / Grid Array Material		erminal Base Alloy J-S		J-STD-020 MS	L Rating	Peak Pr	Peak Process Body Tempera		ture Max Time at Peak T		Temperatu	Temperature Number		mber of Reflow Cycles	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			CU Alloy 1		1		260		C	30 sec		second	seconds 3			
Comments				•						•						
evel 1 - maximum time at peal	k temperature dui	ring sold	lering is 10-3	0 seconds												
or more information regarding	ng material compo	osition p	lease 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), 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 y 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	0.496	mg	Supplier	Silicon (Si)	7440-21-3		0.496	mg
Die Attach	0.055	mg		Epoxy resin	proprietary data		0.0055	mg
			Supplier	Ethylene dimethacrylate	97-90-5		0.0027	mg
			Supplier	Silver (Ag)	7440-22-4		0.044	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.0027	mg
Lead Frame	21.563	mg	Supplier	Zinc (Zn)	7440-66-6		0.0259	mg
			Supplier	Iron (Fe)	7439-89-6		0.5067	mg
			Supplier	Copper (Cu)	7440-50-8		21.0239	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0065	mg
Mold Compound-Black	32.2	mg		Epoxy resin	proprietary data		1.61	mg
			Supplier	Phenolic Resin	Proprietary Data		0.644	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.805	mg
			Supplier	Carbon Black (C)	1333-86-4		0.161	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		28.98	mg
Plating	0.161	mg	Supplier	Palladium (Pd)	7440-05-3		0.005	mg
			В	Nickel (Ni)	7440-02-0		0.153	mg
			Supplier	Gold (Au)	7440-57-5		0.003	mg
Wire Bond - Au	0.348	mg	Supplier	Gold (Au)	7440-57-5		0.348	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).