ABSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Pa	IPC, Bannock	burn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declar the declaratio	ration on encor	of the substan mpasses all le	nces wit ower le	hin the manuf el materials f	acturer listed for which the	item. 1 manuf	Note: if th acturer h	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 Mater					aterials and N	ials and Mfg Information				
Supplier Information															
Company name*	Company un	Company unique ID			Unique ID Authority					Respon	Response Date*				
onsemi										2024-0	2024-05-09				
Contact Name	Title - Conta	Title - Contact			Phone - Contact*					Email ·	Email - Contact*				
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA					Produ	Product-Env-Stewards@onsemi.com				
uthorized Representative*	Title - Repre	Title - Representative			Phone - Representative*				Email ·	Email - Representative*					
Product-Env-Stewards	Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com					
Requester Item Number	n Number Mfr Item		n Number Mfr Item Name			Effective Da	ate V	Version Manufacturing Site		e	Weight*		UOM	Unit Type	
	MC74A	MC74AC377DTG LOG CMC		CMOS D FLIP FLOP OCTL		2024-05-09				PH1		69.08		mg	Each
Aanufacturing Proccess Informa	ation					· ·						l		1	1
Terminal Plating / Grid Array M	Iaterial [	Ferminal Base	Alloy	J-STD-020 MSL Rating		Peak Process Boo		Body Temper	ody Temperature Max Time at Peak		Peak Tempera	Temperature Number of		of Reflow Cyc	cles
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1		1		260		С		30		nds	3		
comments															
vel 1 - maximum time at peak temperat	ture during so	dering is 10-3	0 seconds												
or more information regarding materia	l 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), 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 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	0.09	mg	Supplier	Silicon (Si)	7440-21-3		0.09	mg
Die Attach	2.46	mg		Epoxy resin	proprietary data		0.246	mg
			Supplier	Silver (Ag)	7440-22-4		1.968	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.246	mg
Lead Frame	38.58	mg	Supplier	Zinc (Zn)	7440-66-6		0.0463	mg
			Supplier	Iron (Fe)	7439-89-6		0.9066	mg
			Supplier	Copper (Cu)	7440-50-8		37.6155	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0116	mg
Mold Compound-Black	24.35	mg		Epoxy resin	proprietary data		1.8263	mg
			Supplier	Phenolic Resin	Proprietary Data		0.6088	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		1.8263	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1217	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		19.967	mg
Plating	3.44	mg	Supplier	Palladium (Pd)	7440-05-3		0.2614	mg
			В	Nickel (Ni)	7440-02-0		3.1304	mg
			Supplier	Gold (Au)	7440-57-5		0.0482	mg
Wire Bond - Au	0.16	mg	Supplier	Gold (Au)	7440-57-5		0.16	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).