© C	terial Composit opyright 2005. IPC, I rnational and Pan-Arr	Bannockb	urn, Illinois. A	ll rights reserved untions.	under both	This docume level parts, t	ent is a decla he declaration	aration on enco	of the sub ompasses a	stances v all lower	vithin the level ma	e manufactur terials for wl	er listed it hich the m	em. No anufac	ote: if the cturer has	item is an ass engineering re	embly with lowe esponsibility.
	IPC Web Site for Information on IPC-1752 Standard Form Type   http://www.ipc.org/IPC-175x Distribute				e *	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater						als and Mfg Information					
Supplier Information	ı																
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	Requester Item Number Mfr Item			n Number Mfr Item Name			Effective Date Version Manufacturing		ring Site	Site Wei		t*	UOM	Unit Type			
	MC74LC		X138DTG	LOG CMOS DCODE/DMULT		1-8	2023-06-08	8	PH1			45.4			mg	Each	
Manufacturing Proce	cess Information	l					·										
Terminal Plating	Terminal Plating / Grid Array Material		erminal Base A	al Base Alloy J-STD		L Rating	Peak F	Process Body Temperatu		nperature	ure Max Time at Peak T		Temperat	Femperature Number		mber of Reflow Cycles	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			U Alloy 1		1		260		С		<b>30</b> s		secon	seconds 3			
Comments									•					•			
evel 1 - maximum time at	peak temperature d	uring sol	dering is 10-3	0 seconds													
for more information rega	arding material com	position	please refer to	page 3						-							

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	IS 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	2.0	mg	Supplier	Silicon (Si)	7440-21-3		2	mg
Die Attach	1.32	mg		Epoxy resin	proprietary data		0.132	mg
			Supplier	Ethylene dimethacrylate	97-90-5		0.066	mg
			Supplier	Silver (Ag)	7440-22-4		1.056	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.066	mg
Lead Frame	20.76	mg	Supplier	Iron (Fe)	7439-89-6		0.3944	mg
			Supplier	Copper (Cu)	7440-50-8		20.3656	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	2.12	mg	Supplier	Palladium (Pd)	7440-05-3		0.1611	mg
			В	Nickel (Ni)	7440-02-0		1.9292	mg
			Supplier	Gold (Au)	7440-57-5		0.0297	mg
Wire Bond - Au	0.2	mg	Supplier	Gold (Au)	7440-57-5		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).