	Material Composit © Copyright 2005. IPC, J international and Pan-An	Bannockb	urn, Illinois. A	ll rights reserved untions.	inder both	This docume level parts, t	ent is a decla he declaratio	aration on enco	of the sub ompasses	ostances v all lower	vithin the level ma	manufactur terials for wh	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 Informat	ion																
Company name*			Company unique ID			Unique ID Authority					Response Date*						
onsemi											2024-05-16						
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 It	Requester Item Number Mfr Iter		n Number Mfr Item Name				Effective D	Date N	Version	Manufacturing Site		ring Site	Weight*		*	UOM	Unit Type
	MC100E		P11MNR4G	BBG ECL BUFR	FF	2024-05-16	6		M	MY1		ç	9.47		mg	Each	
Manufacturing Pr	occess Information	L					·										
Terminal Plating / Grid Array Material		al T	rminal Base Alloy J-S		J-STD-020 MS	L Rating	Peak P	Peak Process Body Tempera		nperature	ture Max Time at Peak T		Temperature Numbe		Number o	mber of Reflow Cycles	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			CU Alloy 1		1		260		С		30		seconds 3				
Comments																	
evel 1 - maximum time	e at peak temperature d	luring sol	dering is 10-3	0 seconds													
for more information	regarding material com	position j	olease 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 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	0.1	mg	Supplier	Silicon (Si)	7440-21-3		0.1	mg
Die Attach	0.24	mg	Supplier	Silver (Ag)	7440-22-4		0.18	mg
			Supplier	Epoxy resins	129915-35-1		0.06	mg
Lead Frame	3.71	mg	Supplier	Zinc (Zn)	7440-66-6		0.0037	mg
			Supplier	Iron (Fe)	7439-89-6		0.0853	mg
			Supplier	Copper (Cu)	7440-50-8		3.6173	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0037	mg
Mold Compound-Black	5.0	mg		Epoxy resin	proprietary data		0.235	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.5	mg
			Supplier	Carbon Black (C)	1333-86-4		0.005	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		4.025	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.235	mg
Plating	0.29	mg	Supplier	Palladium (Pd)	7440-05-3		0.007	mg
			В	Nickel (Ni)	7440-02-0		0.2552	mg
			Supplier	Gold (Au)	7440-57-5		0.0278	mg
Wire Bond - Au	0.13	mg	Supplier	Gold (Au)	7440-57-5		0.13	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).