	Material Composit © Copyright 2005. IPC, I nternational and Pan-An	Bannockbi	urn, Illinois. A	Il rights reserved untions.	under both	This docum level parts,	ent is a decl the declarati	aration ion enco	of the substance ompasses all low	es within th ver level m	e manufactur aterials for wl	er listed it hich the m	em. Note: anufactur	: if the item is an er has engineerin	assembly with lower g responsibility.
					Form Type Distribute	e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information				
Supplier Informat	ion														
Company name*			Company unique ID			Unique ID Authority					Response Date*				
onsemi											2025-05-10				
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 Item		n Number Mfr Item Name				Effective I	Date Version Manufacturing Site		V	Weight*	UOM	Unit Type		
		MC100EP446FAG		BBG ECL PARALLEL T/SERIAL		AL	2025-05-1	0		PH1		1	75.1	mg	Each
Manufacturing Pro	occess Information	l		·						·					·
Terminal Plating / Grid Array Material Termin			erminal Base A	nal Base Alloy J-STD-020 MSL Ratin		L Rating	Peak Process Body Temperature Max Time a		Time at Peak	ak Temperature Number of Reflow Cycles		ycles			
Matte Tin (Sn) - annealed CU Alloy				2		260		С	30		secon	ds 3			
Comments															
ATTENTION: MSL 2	Rated item requires Dr	y Pack (at	fter electrical	test)											
For more information 1	regarding material com	position p	olease refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	HS 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 b), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl thalate (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 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	on above	Supplier Acceptance	* Accepted							
Exemption: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.											
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	0.33	mg	Supplier	Silicon (Si)	7440-21-3		0.33	mg
Die Attach	3.19	mg	Supplier	Silver (Ag)	7440-22-4		2.3925	mg
			Supplier	Epoxy resins	129915-35-1		0.7975	mg
Lead Frame	49.99	mg	Supplier	Silver (Ag)	7440-22-4		0.15	mg
			Supplier	Magnesium (Mg)	7439-95-4		0.05	mg
			Supplier	Silicon (Si)	7440-21-3		0.3499	mg
			В	Nickel (Ni)	7440-02-0		1.4997	mg
			Supplier	Copper (Cu)	7440-50-8		47.9404	mg
Mold Compound-Black	114.24	mg		Epoxy Phenol Resin	proprietary data		11.9952	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		102.2448	mg
Plating	6.7	mg	Supplier	Tin (Sn)	7440-31-5		6.7	mg
Wire Bond - Au	0.65	mg	Supplier	Gold (Au)	7440-57-5		0.65	mg