ASSOCIATION CONNECTING LECTRONICS INDUSTRIES® INCLUSTRIES®	Bannockbi	urn. Illinois. A	Il rights reserved untions.	nder both	This docum level parts, t	ent is a declarat	ion of the su	ubstances s all lowe	within the manufactu r level materials for w	rer listed	item. Note: i manufacture	f the item is an as r has engineering	sembly with lower responsibility.	
	21.1 IPC Web Site for Information on IPC-1752 Standard Form http://www.ipc.org/IPC-175x Distr				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ials and N	als and Mfg Information				
Supplier Information														
Company name* Co			Company unique ID			Unique ID Authority					Response Date*			
nsemi								2023-06-08						
Contact Name Title - Contact			xt			Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards Product Env			ct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Repre			presentative			Phone - Representative*			Email - Representative*					
Product-Env-Stewards Product Enviro O			o Compliance		NA			Product-Env-Stewards@onsemi.com						
Requester Item Number	Mfr Item Number		Mfr Item Name			Effective Date	Version]	Manufacturing Site		Weight*	UOM	Unit Type	
	MC100EP451FAG		BBG ECL FLIP-FLOP RESET			2023-06-08]	PH1		175.1	mg	Each	
Manufacturing Proccess Informatio	n													
Terminal Plating / Grid Array Mater	ting / Grid Array Material Terminal Base		Alloy J	J-STD-020 MSL Rating		Peak Process Body Temperature Max Time at P		re Max Time at Peak	ak Temperature Number of Reflow Cycles					
Matte Tin (Sn) - annealed CU Alloy		2	2		260		С	30	seco	nds 3				
Comments														
ATTENTION: MSL 2 Rated item requires D	ry Pack (a	fter electrical	test)											
or more information regarding material cor	nposition p	olease refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chror	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 Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl ate (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 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 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	0.33	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	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