ASOCIATION CONNECTING LECTRONICS INDUSTRIES® international and Pan-	C. Bannockh	ourn, Illinois, A	Il rights reserved un ntions.	nder both	This docume level parts, t	ent is a declarat the declaration e	ion of the su	ibstances s all lowe	within the manufactur r level materials for w	er listed	item. Note: i manufacturer	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 Distributed Statement Proceedings of the Proceeding Statement Proceeding St				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materia				als and Mfg Information					
Supplier Information														
Company name* Con			Company unique ID			Unique ID Authority					Response Date*			
nsemi										2024-05-02				
Contact Name Title - Contact			ontact			Phone - Contact*				Email - Contact*				
Product-Env-Stewards Product En			t Enviro Compliance		NA				Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Rep			Representative			Phone - Representative*			Email - Representative*					
Product-Env-Stewards Product Envir			Enviro Compliance		NA			Product-Env-Stewards@onsemi.com						
Requester Item Number	em Number Mfr Item Nu		Number Mfr Item Name			Effective Date	Version	N	Manufacturing Site		Weight*	UOM	Unit Type	
	MC100E	P142FAG	BBG ECL 9-BIT SHIFT RGSTR			2024-05-02		1	TW2		175.1	mg	Each	
Manufacturing Proccess Informat	ion													
Terminal Plating / Grid Array Mat	Terminal Plating / Grid Array Material Terminal Base A		Alloy J	-STD-020 MSL	Rating	Peak Proc	ess Body Te	emperatu	re Max Time at Peak	Tempera	ture Numb	per of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy			2	2		260		С	30	seco	nds 3			
Comments														
ATTENTION: MSL 2 Rated item requires	Dry Pack (a	fter electrical	test)											
for more information regarding material o	omposition	please 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 dercury (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 45	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