ASSOCIATION CONNECTING LECTRANICS INDUSTRIES® INCLUSTRIES	PC. Bannockb	ourn. Illinois. A	Il rights reserved u ntions.	under both	This docum level parts, t	ent is a declaration er	on of the subst acompasses all	ances within the man lower level material	ufacturer list s for which th	ed item. Note: if ne manufacturer	the item is an as has engineering	ssembly with lower responsibility.	
	.1 IPC Web Site for Information on IPC-1752 Standard Form Distribution				e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials a				Materials and	s and Mfg Information			
Supplier Information													
Company name* Comp			Company unique ID			Unique ID Authority				Response Date*			
On Semiconductor										2021-02-04			
Contact Name Title - Contact			:t		Phone - Contact*			Ema	Email - Contact*				
Product-Env-Stewards Product Envir			nviro Compliance		NA			Pro	Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Representative			esentative			Phone - Representative*			Ema	Email - Representative*			
Product-Env-Stewards Produ			Product Enviro Compliance			NA			Pro	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	Version	Manufacturing S	Manufacturing Site		UOM	Unit Type	
	MC100E	C100EP51DG BBG ECL FLIP FI		FLOP RESET		2021-02-04 PH1			72.0	mg	Each		
Manufacturing Proccess Informa	tion						-						
Terminal Plating / Grid Array Ma	Terminal Plating / Grid Array Material Terminal Base A		Alloy J	J-STD-020 MSL	Rating	Peak Proce	ss Body Tem	perature Max Time a	t Peak Temp	erature Numb	er of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy]	1		260	C	30	se	conds 3				
Comments													
evel 1 - maximum time at peak temperatu	re during sol	dering is 10-3	0 seconds										
for more information regarding material	composition	please 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), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP), Dibutyl 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 v 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 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	mogeneous Material Weight Unit of Meas		Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	1.33	mg	Supplier	Silicon (Si)	7440-21-3		1.33	mg
Die Attach	2.4	mg	Supplier	Silver (Ag)	7440-22-4		1.8	mg
			Supplier	Epoxy resins	129915-35-1		0.6	mg
Lead Frame	37.61	mg	Supplier	Silver (Ag)	7440-22-4		0.7898	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0451	mg
			Supplier	Iron (Fe)	7439-89-6		0.8838	mg
			Supplier	Copper (Cu)	7440-50-8		35.8799	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0113	mg
Mold Compound-Black	28.58	mg		Phenolic Resin	proprietary data		1.429	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.5716	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		1.429	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1429	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		25.0075	mg
Plating	1.89	mg	Supplier	Tin (Sn)	7440-31-5		1.89	mg
Wire Bond - Au	0.19	mg	Supplier	Gold (Au)	7440-57-5		0.19	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).