ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® INDUSTRIES® INDUSTRIES®	nockburn, Illinois. A	Il rights reserved u ntions.	under both	This docume level parts, t	ent is a declara he declaration	tion of the s encompasse	substances es all lowe	within the manufacture level materials for v	rer listed which the r	item. Note: i nanufacturer	f the item is an as has engineering	sembly with lower responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute			 Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi 					ials and N	als and Mfg Information			
Supplier Information													
Company name* Company unique ID			Unique ID Authority				Response Date*						
onsemi	semi								2023-06-08				
Contact Name	Title - Contact				Phone - Contact*				Email -	Email - Contact*			
Product-Env-Stewards	nv-Stewards Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
athorized Representative* Title - Representative				Phone - Representative*				Email - Representative*					
Product-Env-Stewards Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com				
Requester Item Number Mfr	Item Number	Mfr Item Name			Effective Dat	e Version	l	Manufacturing Site		Weight*	UOM	Unit Type	
MC	MC10E016FNR2G BBG ECL COUN		TER 8BIT		2023-06-08			PH1		1080.01	mg	Each	
Manufacturing Proccess Information													
Terminal Plating / Grid Array Material	Material Terminal Base Alloy J-		J-STD-020 MSL	Rating	Peak Process Body Temp		Femperatu	ture Max Time at Peak Tem		ture Numb	er of Reflow Cyd	les	
Matte Tin (Sn) - annealed CU Alloy 3			3		260		С	30	seco	nds 3			
Comments													
ATTENTION: MSL 3 Rated item requires Bake a	and Dry Pack (after	electrical test)											
For more information regarding material compos	ition 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	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 httalate (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	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.

sigma range of distribution unless otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	6.52	mg	Supplier	Silicon (Si)	7440-21-3		6.52	mg	
Die Attach	16.2	mg	Supplier	Silver (Ag)	7440-22-4		12.15	mg	
			Supplier	Epoxy resins	129915-35-1		4.05	mg	
Lead Frame 253	253.86	mg	Supplier	Silver (Ag)	7440-22-4		3.0463	mg	
			Supplier	Zinc (Zn)	7440-66-6		0.5077	mg	
			Supplier	Iron (Fe)	7439-89-6		6.6004	mg	
			Supplier	Copper (Cu)	7440-50-8		243.7056	mg	
Mold Compound-Black	782.44	mg		Epoxy resin	proprietary data		54.7708	mg	
			Supplier	Phenolic Resin	Proprietary Data		54.7708	mg	
			Supplier	Silica Amorphous (SiO2)	7631-86-9		117.366	mg	
			Supplier	Carbon Black (C)	1333-86-4		3.9122	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		551.6202	mg	
Plating	19.83	mg	Supplier	Tin (Sn)	7440-31-5		19.83	mg	
Wire Bond - Au	1.16	mg	Supplier	Gold (Au)	7440-57-5		1.16	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