ASSOCIATION CONNECTING ELECTROMICS INDUSTRIES® MOUSTRIES® MOUSTRIES®	ourn, Illinois, All rights reserved un	nder both This docum level parts,	the declaration end	n of the substance compasses all low	es within the manufacture ver level materials for wh	er listed item. Note: it hich the manufacturer	the item is an as has engineering	sembly with lower responsibility.	
IPC Web Site for Information on I http://www.ipc.org/IPC-175x	I.1IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175xForm Type Distribute			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information					
Supplier Information									
npany name* Company unique ID			Unique ID Authority			Response Date*			
semi						2023-06-08			
Contact Name	Title - Contact		Phone - Contact*			Email - Contact*			
Product-Env-Stewards	ards Product Enviro Compliance		NA			Product-Env-Stewards@onsemi.com			
uthorized 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	Mfr Item Name		Version	Manufacturing Site	Weight*	UOM	Unit Type	
MC10E0	16FNG BBG ECL COUNT	TER 8BIT	2023-06-08		PH1	1080.01	mg	Each	
Manufacturing Proccess Information	·				·			·	
Terminal Plating / Grid Array Material	Terminal Base Alloy J-STD-020 M		Peak Process Body Temperature Max Time at Pe		ure Max Time at Peak	k Temperature Number of Reflow Cycles			
Matte Tin (Sn) - annealed CU Alloy 3			260	С	30	seconds 3			
Comments									
TTENTION: MSL 3 Rated item requires Bake and D	ry Pack (after electrical test)								
or 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	toHS 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 hthalate (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 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 co 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.

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 2:	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