ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Pan-American co	ourn. Illinois. All rights reserved ur	nder both This docur level parts	nent is a declaration, the declaration end	n of the substance compasses all low	es within the manufacture ver level materials for wh	er listed item. Note: if 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	Web Site for Information on IPC-1752 StandardForm Type//www.ipc.org/IPC-175xDistribute			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information					
Supplier Information									
Company name*	ame* Company unique ID		Unique ID Authority			Response Date*			
onsemi						2023-06-08			
Contact Name	Title - Contact		Phone - Contact*			Email - Contact*			
Product-Env-Stewards	Product Enviro Compliance		NA			Product-Env-Stewards@onsemi.com			
Authorized Representative*	Title - Representative		Phone - Representative*			Email - Representative*			
Product-Env-Stewards	uct-Env-Stewards Product Enviro 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	
LC88F58 SQFPH	BB0AU- 16-bit Microcontro	oller	2023-06-08			400.0	mg	Each	
Manufacturing Proccess Information									
Terminal Plating / Grid Array Material T	erminal Base Alloy J.	-STD-020 MSL Rating	Peak Process Body Temperature Max		ure Max Time at Peak	Temperature Numb	er of Reflow Cyc	eles	
contains Bi	CU Alloy 3		260	260 C 30		seconds 3			
Comments									
ATTENTION: MSL 3 Rated item requires Bake and D	ry Pack (after electrical test)								
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), 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 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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	6.29	mg	Supplier	Silicon (Si)	7440-21-3		6.2667	mg
			Supplier	Polyimide	Proprietary Data		0.0233	mg
Die Attach	1.56	mg	Supplier	Silver (Ag)	7440-22-4		1.0614	mg
			Supplier	Epoxy resins	129915-35-1		0.4512	mg
			Supplier	Other Metal Oxide	Proprietary Data		0.034	mg
			В	Antimony Pentoxide (Sb2O5)	1314-60-9		0.0134	mg
Lead Frame	237.42	mg	Supplier	Silver (Ag)	7440-22-4		1.2821	mg
			Supplier	Zinc (Zn)	7440-66-6		0.2951	mg
			Supplier	Iron (Fe)	7439-89-6		5.5492	mg
			Supplier	Copper (Cu)	7440-50-8		230.0987	mg
			Supplier	Phosphorus (P)	7723-14-0		0.1949	mg
Mold Compound-Black	149.01	mg		Epoxy resin	proprietary data		14.901	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		11.1757	mg
			Supplier	Carbon Black (C)	1333-86-4		0.745	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		122.1882	mg
Plating	4.2	mg	В	Bismuth (Bi)	7440-69-9		0.0252	mg
			Supplier	Tin (Sn)	7440-31-5		4.1748	mg
Wire Bond - Au	1.52	mg	Supplier	Gold (Au)	7440-57-5		1.52	mg