ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES INCOMPACTING	IPC, Bannockb	ourn, Illinois. A	Il rights reserved u ntions.	nder both	This docum level parts, t	ent is a declarat	ion of the su	ubstances s all lowe	s within the manufactu er level materials for w	rer listed which the 1	item. Note: it nanufacturer	f the item is an as has engineering	ssembly with lower responsibility.	
	-21.1 IPC Web Site for Information on IPC-1752 Standard Form T http://www.ipc.org/IPC-175x Distribution				 Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and 					ials and N	and Mfg Information			
Supplier Information														
Company name* Company			ny unique ID			Unique ID Authority				Respon	Response Date*			
On Semiconductor							:			2021-02	2021-02-04			
Contact Name Title - Contact			ct	Phone - C			Contact*			Email -	Email - Contact*			
Product-Env-Stewards Product Envir			nviro Compliance		NA			Product-Env-Stewards@onsemi.com						
Authorized Representative* Title - Represent			esentative		Phone - Representative*			Email - Representative*						
Product-Env-Stewards Product Env			Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	nber Mfr Item Number		Mfr Item Name			Effective Date	Version		Manufacturing Site		Weight*	UOM	Unit Type	
	LM339E	LM339DG ANA SNGL SU		COMP'TOR Q	UD	2021-02-04 CN		CNW	JW		mg	Each		
Manufacturing Proccess Informa	ntion		·					· · ·						
Terminal Plating / Grid Array M	Terminal Plating / Grid Array Material Terminal Base Alloy		Alloy J	J-STD-020 MSL	Rating	Peak Proc	ess Body To	emperatu	re Max Time at Peak	Tempera	ture Numb	er of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy			1	1		260		С	30	seco	nds 3			
Comments														
level 1 - maximum time at peak temperat	ure during sol	dering is 10-3	0 seconds											
or more information regarding materia	composition	please refer to	o 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 (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	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.

	cable [E] enter the weigh			ance category (JIG or Requester) or enter a [F] Optionally enter the positive (+) and n				
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.98	mg	Supplier	Silicon (Si)	7440-21-3		0.98	mg
Die Attach	4.44	mg	Supplier	Silver (Ag)	7440-22-4		3.33	mg
			Supplier	Epoxy resins	129915-35-1		1.11	mg
Lead Frame	69.62	mg	Supplier	Silver (Ag)	7440-22-4		0.7658	mg
			Supplier	Zinc (Zn)	7440-66-6		0.1392	mg
			Supplier	Iron (Fe)	7439-89-6		1.8101	mg
			Supplier	Copper (Cu)	7440-50-8		66.9048	mg
Mold Compound-Black	43.43	mg		Phenolic Resin	proprietary data		2.1715	mg
		-	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.8686	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		2.1715	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2172	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		38.0013	mg
Plating	3.27	mg	Supplier	Tin (Sn)	7440-31-5		3.27	mg
Wire Bond - Cu	0.3	mg	Supplier	Copper (Cu)	7440-50-8		0.3	mg