ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® COPYRIGHT 2005. IPC international and Pan-A	. Bannockb	urn. Illinois. A	Il rights reserved untions.	under both	This docum level parts, t	ent is a declara he declaration	tion of the s encompass	substances es all lowe	within the r level mat	manufacture erials for wh	er listed ite hich the ma	m. Note: i nufacture	if the item is an as r has engineering	sembly with lowe responsibility.	
	-21.1 IPC Web Site for Information on IPC-1752 Standard Form Distr				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					eous Materia	als and Mfg Information				
Supplier Information															
Company name* Company			ny unique ID			Unique ID Authority					Response Date*				
onsemi											2023-06-08				
Contact Name Title - Contact						Phone - Contact*					Email - Contact*				
Product-Env-Stewards Product Env			nviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Represen			sentative			Phone - Representative*				Email - Representative*					
Product-Env-Stewards Product			roduct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Requester Item Number			Number Mfr Item Name			Effective Dat	te Version Manufacturing Site		ing Site	W	eight*	UOM	Unit Type		
	LMV331	MV331SQ3T2G LV SINGLE COM		MPARATOR S	C70	2023-06-08		:	MY1		6.2	2	mg	Each	
Manufacturing Proccess Information	n						-								
Terminal Plating / Grid Array Mate	g / Grid Array Material Terminal Base Alloy			J-STD-020 MSI	L Rating	g Peak Process Body Temperature Max Time at P				me at Peak 7	ak Temperature Number of Reflow Cycles				
Matte Tin (Sn) - annealed CU Alloy			1		260		С	30		seconds	3				
Comments															
evel 1 - maximum time at peak temperature	during sol	dering is 10-3	0 seconds												
or more information regarding material co	mposition	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 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	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	0.19	mg	Supplier	Silicon (Si)	7440-21-3		0.19	mg	
Die Attach Epoxy	0.12	mg		Epoxy resin	proprietary data		0.036	mg	
			Supplier	Diethylene glycol monoethyl ether acetate	112-15-2		0.042	mg	
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.042	mg	
Lead Frame	1.92	mg	Supplier	Silver (Ag)	7440-22-4		0.0384	mg	
			В	Nickel (Ni)	7440-02-0		0.697	mg	
			Supplier	Iron (Fe)	7439-89-6		0.9638	mg	
			Supplier	Copper (Cu)	7440-50-8		0.2208	mg	
Mold Compound-Black	3.9	mg		Epoxy resin	proprietary data		0.195	mg	
			Supplier	Phenolic Resin	Proprietary Data		0.195	mg	
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.078	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.0195	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		3.4125	mg	
Plating	0.05	mg	Supplier	Tin (Sn)	7440-31-5		0.05	mg	
Wire Bond - Au	0.02	mg	Supplier	Gold (Au)	7440-57-5		0.02	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 signa range of distribution unless otherwise noted).