ASSOCIATION CONNECTING	Material Composit © Copyright 2005. IPC, * international and Pan-Ar	Bannockb	urn, Illinois. A	ll rights reserved nations.	under both	This docume level parts, t	ent is a declarat he declaration e	ion of the su encompasse	ubstances v s all lower	within the manufacture level materials for w	urer listed which the i	item. Note: nanufacture	if the item is an as or has engineering	ssembly with low responsibility.	
752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Typ   http://www.ipc.org/IPC-175x Distribute				e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					als and Mfg Information				
Supplier Informa	ation														
Company name*			Company unique ID				Unique ID Authority				Respon	Response Date*			
onsemi											2023-00	2023-06-08			
Contact Name			Title - Contact				Phone - Contact*				Email -	Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative*			Title - Representative				Phone - Representative*			Email -	Email - Representative*				
Product-Env-Stewar	Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com					
Requester	uester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	Date Version Manufacturing Site			Weight*	UOM	Unit Type		
		LV5115NV-TLM-H M		Multi-cell LiB protection			2023-06-08		Р	РНМ		750.0	mg	Each	
Ianufacturing P	Proccess Information	n												·	
Terminal Plating / Grid Array Material T		Ferminal Base Alloy J-STD-020 MS		L Rating	Peak Process Body Temperat		emperatur	ure Max Time at Peak Temper		ture Num	ber of Reflow Cy	cles			
contains Bi			CU Alloy 3			260	260 C 30		30	seconds 3					
omments															
<b>FTENTION: MSL</b>	3 Rated item requires Ba	ake and D	ry Pack (after	electrical test)											
or more information	n regarding material con	position	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 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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	32.71	mg	Supplier	Silicon (Si)	7440-21-3		32.5693	mg
			Supplier	Polyimide	Proprietary Data		0.1407	mg
Die Attach	4.74	mg	Supplier	Silver (Ag)	7440-22-4		3.2251	mg
			Supplier	Epoxy resins	129915-35-1		1.3708	mg
			Supplier	Other Metal Oxide	Proprietary Data		0.1033	mg
			В	Antimony Pentoxide (Sb2O5)	1314-60-9		0.0408	mg
Lead Frame	186.22	mg	Supplier	Silver (Ag)	7440-22-4		0.5959	mg
			Supplier	Tin (Sn)	7440-31-5		0.4842	mg
			Supplier	Zinc (Zn)	7440-66-6		0.4656	mg
			Supplier	Chromium (Cr)	7440-47-3		0.5028	mg
			Supplier	Copper (Cu)	7440-50-8		184.1716	mg
Mold Compound-Black	515.33	mg		Phenolic Resin	proprietary data		25.7665	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		14.4292	mg
			Supplier	Carbon Black (C)	1333-86-4		5.1533	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		15.4599	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		412.264	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		41.2264	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		1.0307	mg
Plating	10.2	mg	В	Bismuth (Bi)	7440-69-9		0.0612	mg
			Supplier	Tin (Sn)	7440-31-5		10.1388	mg
Wire Bond - Au	0.8	mg	Supplier	Gold (Au)	7440-57-5		0.8	mg