ASSOCIATION CONNECTINI	Material Composit © Copyright 2005. IPC, international and Pan-Ar	Bannockb	urn, Illinois. A	Il rights reserved untions.	under both	This docum level parts, t	ent is a declara	tion of the encompass	substances es all lowe	within the manufacture level materials for w	urer listed which the	item. Note: if manufacturer	the item is an as has engineering	ssembly with lower responsibility.	
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				*	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					als and Mfg Information				
Supplier Inform	ation														
Company name*			Company unique ID			Unique ID Authority					Response Date*				
onsemi												2024-05-14			
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-Stewa	rds	Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com				
Requeste	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Dat	e Versio	Manufacturing Site			Weight*	UOM	Unit Type	
		MC14541BDR2G LOG CM		LOG CMOS OSI	CMOS OSILATR TIMER		2024-05-14		:	PH1		122.04	mg	Each	
Manufacturing	Proccess Information	1													
Terminal Plating / Grid Array Material Ter			erminal Base Alloy J-STD-020 MSL		L Rating	Peak Process Body Temperature Max		re Max Time at Pea	k Temper	ature Numb	er of Reflow Cy	cles			
Matte Tin (Sn) - annealed CU A			U Alloy	y 1			260 C 30			seconds 3					
Comments															
evel 1 - maximum ti	ime at peak temperature o	luring sol	dering is 10-3	0 seconds											
for more information	on 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), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP).										
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	0.98	mg	Supplier	Silicon (Si)	7440-21-3		0.98	mg
Die Attach	4.44	mg		Epoxy resin	proprietary data		0.111	mg
			Supplier	Silver (Ag)	7440-22-4		3.552	mg
			Supplier	Polybutadiene polymer	Proprietary Data		0.2886	mg
			Supplier	Acrylic resins	Proprietary Data		0.4884	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		Proprietary	proprietary data		3.4744	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2172	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		39.7384	mg
Plating	3.27	mg	Supplier	Tin (Sn)	7440-31-5		3.27	mg
Wire Bond - Cu	0.3	mg	Supplier	Palladium (Pd)	7440-05-3		0.0048	mg
			Supplier	Copper (Cu)	7440-50-8		0.2952	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).