ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®	Composition D t 2005. IPC, Bannocl 1 and Pan-American	eclaration burn, Illinois. A copyright conve	All rights reserved u ntions.	under both	This docume level parts, t	ent is a declar he declaration	ration of n encon	f the substances npasses all lowe	within the r er level mate	manufactur erials for wh	er listed ite hich the ma	em. Note: if anufacturer	the item is an a has engineering	ssembly with low responsibility.
	IPC Web Site for Information on IPC-1752 Standard Form T http://www.ipc.org/IPC-175x Distribution				e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information			
upplier Information														
Company name*			Company unique ID			Unique ID Authority				Response Date*				
nsemi									2023-06-08					
ontact Name	Title - Conta	Title - Contact			Phone - Contact*				Email - Contact*					
Product-Env-Stewards	Product Env	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Authorized Representative*			Title - Representative			Phone - Representative*			Email - Representative*					
roduct-Env-Stewards	Product Env	Product Enviro Compliance			NA			Product-Env-Stewards@onsemi.com						
Requester Item Number Mfr Iter		n Number Mfr Item Name			Effective Da	ate Ve	ersion	Manufacturing Site		W	/eight*	UOM	Unit Type	
	GBPC	GBPC1504W BR GBF		R GBPCW GPPN 15A 400V		2023-06-08 TSCBE			16949.998		mg	Each		
Ianufacturing Proccess In	formation							I			I.		ł	
Terminal Plating / Grid A	Terminal Plating / Grid Array Material Te		ase Alloy J-STD-020 MSL		L Rating	Peak Process Bod		ody Temperatu	ly Temperature Max Time at Peak		Temperature Number of Reflow Cycles		cles	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy NA		NA		0		С	30		second	s 3		
omments														
or more information regarding r	naterial composition	n please refer to	o page 3											

RoHS Material Composition Declar	ation			Declaration Type *	Detailed								
Directive 2015/863/EU amending Rol Directive 2011/65/EU	(Pb), Mercury (Hg), Hexav	oHS 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 'b), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl thalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).											
cadmium, hexavalentchromium, polyb contains a RoHS restricted substance i encompass all such components.Suppl as of the date that Supplier completes Company acknowledges that Supplier independently verified information pro- certification in this paragraph.If the Co	rominated biphenyls and/or polybror nexcess of an applicable quantity lim ier certifies that it gathered the inforr this form.Supplier acknowledges that may have relied on informationprovi ovided by others, Supplier agrees that ompany and the Supplier enter into a clusivesource of the Supplier's liabili	ninated diphenyl ethers (each a "R it, please indicate below which, if nation it provides in this form usin Company will rely on this certifud ded by others in completing this f , at a minimum, itssuppliers have written agreement with respect to ty and the Company's remedies for	toHS restricted substance") in exce any, RoHS exemption you believe ag appropriate methods to ensure it cation in determining the complian orm, and that Supplier may not hav provided certifications regarding th the identified part, the terms and co or issues that arise regarding inform	ropean Union member states) of the part identifies so of the applicable quantity limit identified about may apply. If the part is an assembly with lows a accuracy and that such information is true and ce of its products with European Union member re independently verified such information. How heir contributions to the part, and those certifica motions of that agreement, including any warra nation the Supplier provides in this form. In the	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 inty rights and/or remedies provided as part of								
RoHS Declaration * 4	- Item(s) does not contain RoHS restr	icted substances per the definition	above except for selected exempti	ons Supplier Acceptance	* Accepted								
Exemption: 7a: Lead in high meltin Exemption: 7c-I Electrical and elect	g temperature type solders (i.e. lead ronic components containing lead i	l based solder alloys containing n a glass or ceramic other than	85% by weight or more lead). dielectric ceramic in capacitors, o	e.g. piezoelectronic devices, or in a glass or ce	eramic matrix compound.								
Exemption List Version	EL-2011/534/EU												
Declaration Signature													
Instructions: Complete all of the rec Requester) and click on Submit For			Supplier Acceptance drop-down	. This will display the signature area. Digital	ly sign the declaration (if required by the								
Supplier Digital Signature	Rastislav 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
Case	2949.3	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		589.8748	mg
			Supplier	Silica (SiO2)	14464-46-1		2064.5603	mg
			Supplier	Phosphorus (P)	7723-14-0		58.9152	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		235.9497	mg
Die	33.561	mg	Supplier	Silicon (Si)	7440-21-3		30.2049	mg
			В	Nickel (Ni)	7440-02-0		0.2181	mg
			Supplier	Gold (Au)	7440-57-5		0.0503	mg
			Supplier	Lead Bisilicate	65997-18-4	7c	3.0876	mg
Die Attach Solder	18.1365	mg	Supplier	Silver (Ag)	7440-22-4		0.4534	mg
			А	Lead (Pb)	7439-92-1	7a	16.7763	mg
			Supplier	Tin (Sn)	7440-31-5		0.9068	mg
Die Attach Solder - Solder Wafer	82.8855	mg	Supplier	Silver (Ag)	7440-22-4		2.0721	mg
			А	Lead (Pb)	7439-92-1		76.6691	mg
			Supplier	Tin (Sn)	7440-31-5		4.1443	mg
Heat Sink	3803.24	mg	Supplier	Aluminum (Al)	7429-90-5		3803.24	mg
Lead Frame	1220.4	mg	Supplier	Iron (Fe)	7439-89-6		0.9763	mg
			Supplier	Copper (Cu)	7440-50-8		1219.1797	mg
			Supplier	Phosphorus (P)	7723-14-0		0.244	mg
Marking Ink	0.5085	mg	Supplier	Silicon Dioxide (SiO2)	112945-52-5		0.0254	mg
			Supplier	1-Hydroxycyclohexyl phenyl ketone	947-19-3		0.0254	mg
			Supplier	Padimate (C14H21NO2)	21245-01-2		0.0509	mg
			Supplier	2-Propenoic acid polymer	53192-18-0		0.3305	mg
			Supplier	Aluminum (Al)	7429-90-5		0.0763	mg
Mold Compound-White	6552.36	mg		Polymer Resin	proprietary data		1092.2784	mg
			Supplier	1,2-Bis(pentabromophenyl) ethane	84852-53-9		382.0026	mg
			Supplier	Brominated epoxy resin	Proprietary Data		1419.8964	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		218.1936	mg
			Supplier	Carbon Black (C)	1333-86-4		54.3846	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		655.236	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		2730.3682	mg
Plating-2	14.916	mg	В	Nickel (Ni)	7440-02-0		14.916	mg
Terminal	2274.69	mg	Supplier	Iron (Fe)	7439-89-6		2.7296	mg

	Supplier	Copper (Cu)	7440-50-8	2270.9822	mg
	Supplier	Phosphorus (P)	7723-14-0	0.9781	mg