	© Copyright 2005. Il CS INDUSTRIES® international and Par	PC, Bannockb	ourn, Illinois. A	ll rights reserved u ntions.	inder both	This docume level parts, t	ent is a declarat	tion of the	ne substances asses all lowe	within the manufa er level materials fo	cturer listed or which the	l item. Note: i manufacture	f the item is an as r has engineering	ssembly with low 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					aterials and	als and Mfg Information			
Supplie	r Information													
Company	name*	Company unique ID				Unique ID Authority					Response Date*			
nsemi										2023-0	2023-06-08			
Contact N	Jame	Title - Contact				Phone - Contact*				Email	Email - Contact*			
Product-l	Env-Stewards	Product Enviro Compliance				NA				Prod	Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*	Title - Representative				Phone - Representative*				Email	Email - Representative*			
Product-	Env-Stewards	Product Enviro Compliance				NA				Prod	Product-Env-Stewards@onsemi.com			
			n Number Mfr Item Name				Effective Date	e Vers	ion	on Manufacturing Site		Weight*	UOM	Unit Type
			BR MDIP PN 1.5	R MDIP PN 1.5A 1000V		2023-06-08 P.		PANJITFG		326.8213	mg	Each		
/Ianufa	ecturing Proccess Information	tion												
	Terminal Plating / Grid Array Material		Terminal Base Alloy J-STD-020 N		J-STD-020 MS	L Rating	Peak Process Body Temperat		ly Temperatu	ure Max Time at Peak Temper		rature Numb	per of Reflow Cy	cles
	Matte Tin (Sn) - annealed		CU Alloy NA			0 C		30	sec	onds 3				
omments	S													
or more	information regarding material	composition	please refer to	page 3										

RoHS Material Composition Declar	ation			Declaration Type *	Detailed
Directive 2015/863/EU amending Rol Directive 2011/65/EU	(Pb), Mercury (Hg), Hexav		ninated Biphenyls (PBB), Polybror	dmium and quantity limit of 0.1% by mass (100 ninated Diphenyl Ethers (PBDE), and Bis(2-eth	
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
Die	4.52	mg	А	Lead (Pb)	7439-92-1	7c	0.217	mg
			Supplier	Silicon (Si)	7440-21-3		4.2398	mg
			В	Nickel (Ni)	7440-02-0		0.0407	mg
			Supplier	Gold (Au)	7440-57-5		0.0226	mg
Die Attach Solder	9.8	mg	Supplier	Silver (Ag)	7440-22-4		0.245	mg
			А	Lead (Pb)	7439-92-1	7a	9.065	mg
			Supplier	Tin (Sn)	7440-31-5		0.49	mg
Lead Frame	116.12	mg	Supplier	Iron (Fe)	7439-89-6		0.1393	mg
			Supplier	Copper (Cu)	7440-50-8		115.9458	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0348	mg
Mold Compound-Black	195.3	mg		Metal Hydroxide	proprietary data		6.8355	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		15.624	mg
			Supplier	Carbon Black (C)	1333-86-4		0.9765	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		156.24	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		15.624	mg
Plating	1.0813	mg	Supplier	Tin (Sn)	7440-31-5		1.0813	mg