	Material Composit © Copyright 2005. IPC, J international and Pan-An	Bannockb	urn, Illinois. A	ll rights reserved untions.	under both	This docum level parts, t	ent is a declar the declaration	ation of the	e substance sses all low	s within the manufa er level materials fo	cturer listed r which the	l item. Note: e manufacture	if the item is an a r has engineering	ssembly with lower responsibility.	
					Form Type Distribute	*	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				terials and	als and Mfg Information			
Supplier Informat	tion														
Company name* Co			Company uni	Company unique ID			Unique ID Authority					Response Date*			
onsemi											2023-0	2023-06-08			
Contact Name 7			Title - Contact				Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance			NA			Prod	Product-Env-Stewards@onsemi.com					
Authorized Representa	ative*		Title - Representative			Phone - Representative*			Email	Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance			NA				Prod	Product-Env-Stewards@onsemi.com				
Requester Item Number Mfr Item		Mfr Item	n Number Mfr Item Name				Effective Da	te Versi	on	Manufacturing Site		Weight*	UOM	Unit Type	
		MB4S		BR SOIC4 GPPN 0.5A 400V			2023-06-08			TSCBE		121.031	mg	Each	
Manufacturing Pr	coccess Information	l		•								·	·		
Terminal Plating / Grid Array Material Terminal Bas			erminal Base A	Alloy	J-STD-020 MS	L Rating	Peak Pr	ocess Body	/ Temperat	re Max Time at P	eak Temper	rature Num	ber of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy				1		260		С	30	sec	onds 3				
Comments															
level 1 - maximum time	e at peak temperature d	luring sol	dering is 10-3	0 seconds											
For more information	regarding material com	position j	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.

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

sigma range of distribution unless	otherwise noted).							
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	4.276	mg	А	Lead (Pb)	7439-92-1	7c	0.2052	mg
			Supplier	Silicon (Si)	7440-21-3		4.0109	mg
			В	Nickel (Ni)	7440-02-0		0.0385	mg
			Supplier	Gold (Au)	7440-57-5		0.0214	mg
Die Attach Solder	3.313	mg	Supplier	Silver (Ag)	7440-22-4		0.0828	mg
			А	Lead (Pb)	7439-92-1	7a	3.0645	mg
			Supplier	Tin (Sn)	7440-31-5		0.1656	mg
Lead Frame	40.008	mg	Supplier	Iron (Fe)	7439-89-6		0.048	mg
			Supplier	Copper (Cu)	7440-50-8		39.948	mg
			Supplier	Phosphorus (P)	7723-14-0		0.012	mg
Mold Compound-Black	72.824	mg		Metal Hydroxide	proprietary data		2.5488	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		5.8259	mg
			Supplier	Carbon Black (C)	1333-86-4		0.3641	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		58.2592	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		5.8259	mg
Plating	0.61	mg	Supplier	Tin (Sn)	7440-31-5		0.61	mg