ASSOCIATION CONNECTING ELECTROMICS INDUSTRIES® International and Pan-Am	Bannockbur	n. Illinois, Al	ll rights reserved utions.	under both	This docume level parts, t	ent is a declarati the declaration e	on of the su	bstances v all lower	within the manufactu level materials for w	rer listed i	tem. Note: i nanufacture	if the item is an as r has engineering	sembly with low responsibility.
				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information					tion			
upplier Information													
Company name* Company			ıy unique ID			Unique ID Authority				Response Date*			
onsemi										2023-06-08			
Contact Name	t Name Title - Contact					Phone - Contact*				Email - Contact*			
Product-Env-Stewards Product Enviro			ro Compliance			NA				Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Repres			sentative			Phone - Representative*				Email - Representative*			
Product-Env-Stewards Product			duct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Item Number		Mfr Item Name			Effective Date	Version	Manufacturing Site			Weight*	UOM	Unit Type
	MDB8S S/P_BR MDIP PN		1A 800V		2023-06-08		P.	PANJITFG		89.837	mg	Each	
Ianufacturing Proccess Information													
Terminal Plating / Grid Array Materia	tial Terminal Base Alloy		lloy	J-STD-020 MSI	ISL Rating Peak		k Process Body Temperature Max Time at Peak		Temperat	ure Num	ber of Reflow Cyc	eles	
Matte Tin (Sn) - annealed CU Alloy			1		260		С	30	secon	ds 3			
omments													
vel 1 - maximum time at peak temperature d	uring solde	ering is 10-30) seconds										
or more information regarding material com	position ple	ease 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.

sigma range of distribution unless otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	2.849	mg	А	Lead Oxide (PbO)	1317-36-8	7c	0.139	mg	
			Supplier	Silicon (Si)	7440-21-3		2.71	mg	
Die Attach Solder	1.821	mg	Supplier	Silver (Ag)	7440-22-4		0.0455	mg	
			А	Lead (Pb)	7439-92-1	7a	1.6844	mg	
			Supplier	Tin (Sn)	7440-31-5		0.091	mg	
Lead Frame	39.956	mg	Supplier	Iron (Fe)	7439-89-6		0.056	mg	
			Supplier	Copper (Cu)	7440-50-8		39.9	mg	
Mold Compound-Black	44.4	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		4.44	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.133	mg	
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		1.332	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		34.188	mg	
			Supplier	Phenolic Resin (Novolac)	9003-35-4		4.307	mg	
Plating	0.441	mg	Supplier	Tin (Sn)	7440-31-5		0.441	mg	
Wire Bond - Cu	0.37	mg	Supplier	Copper (Cu)	7440-50-8		0.37	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 signar range of distribution unless otherwise noted)