ASSOCIATION CONNECTING LECTRONICS INDUSTRIES INCOMPACTING	PC. Bannockl	ourn. Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declarat he declaration of	ion of the su encompasse	ubstances s all lowe	within the m r level mater	anufacture ials for whi	r listed item. ich the manuf	Note: if facturer l	the item is an as has engineering	sembly with lower responsibility.
				Form Type Distribute	*	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					als and Mfg Information			
Supplier Information														
Company name* Comp			Company unique ID			Unique ID Authority					Response Date*			
onsemi											2024-05-17			
Contact Name Title - Contact					Phone - Contact*					1	Email - Contact*			
Product-Env-Stewards Product Env			nviro Compliance			NA					Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Rep			epresentative			Phone - Representative*				Email - Representative*				
Product-Env-Stewards Prod			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	ster Item Number Mfr Item Num		Number Mfr Item Name			Effective Date	Version	N	Manufacturing Site		Weig	;ht*	UOM	Unit Type
	MMBD	MBD1504A 200V COMMON		CATHODE	THODE 202			I	РВВ		8.706	õ	mg	Each
Manufacturing Proccess Informa	tion													
Terminal Plating / Grid Array M	aterial	ial Terminal Base Alloy		J-STD-020 MSL	Rating	Peak Proc	ak Process Body Temperature Max Time at Peak		e at Peak T	Temperature Number of Reflow Cycles		les		
Matte Tin (Sn) - annealed CU Alloy			1		260		С	30		seconds	3			
Comments														
level 1 - maximum time at peak temperat	ure during so	ldering is 10-3	0 seconds											
For more information regarding materia	composition	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), Disobutyl phthalate (DIBP).											
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 cc 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	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.

sigma range of distribution unless	otherwise noted).							
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.048	mg	Supplier	Silicon (Si)	7440-21-3		0.048	mg
Lead Frame	2.371	mg	Supplier	Silver (Ag)	7440-22-4		0.0083	mg
			Supplier	Manganese (Mn)	7439-96-5		0.0095	mg
			Supplier	Silicon (Si)	7440-21-3		0.0036	mg
			В	Nickel (Ni)	7440-02-0		0.984	mg
			Supplier	Iron (Fe)	7439-89-6		1.1322	mg
			Supplier	Copper (Cu)	7440-50-8		0.2335	mg
Mold Compound-Black	6.061	mg		Epoxy resin	proprietary data		0.4243	mg
			Supplier	Phenolic Resin	Proprietary Data		0.1515	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.4546	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0303	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		4.8488	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.1515	mg
Plating	0.206	mg	Supplier	Tin (Sn)	7440-31-5		0.206	mg
Wire Bond - Au	0.02	mg	Supplier	Gold (Au)	7440-57-5		0.02	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 sigma range of distribution unless otherwise noted).