ASSOCIATION CONNECTING ELECTROMICS INDUSTRIES® International and Pan-American co	ourn, Illinois, All rights reserved u	nder both This docur level parts	nent is a declaratio , the declaration en	n of the substance compasses all low	es within the manufacture ver level materials for wh	er listed item. Note: if hich the manufacturer	the item is an as has engineering	sembly with lower responsibility.	
IPC Web Site for Information on I http://www.ipc.org/IPC-175x	PC-1752 Standard	Form Type * Distribute		ration Class * 6 - RoHS Yes/No	o, Homogeneous Materia	als and Mfg Informatio	s and Mfg Information		
Supplier Information									
Company name*	Company unique ID		Unique ID Authority			Response Date*			
onsemi						2023-06-08			
Contact Name	Title - Contact		Phone - Contact*			Email - Contact*			
Product-Env-Stewards	Product Enviro Compliance		NA			Product-Env-Stewards@onsemi.com			
Authorized Representative*	ed Representative* Title - Representative		Phone - Representative*			Email - Representative*			
Product-Env-Stewards Product 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	
НМНА2	801B 4SO TR		2023-06-08		ТНН	54.749	mg	Each	
Manufacturing Proccess Information									
Terminal Plating / Grid Array Material T	Cerminal Base Alloy	J-STD-020 MSL Rating	Peak Process Body Temperature Max		ure Max Time at Peak	Temperature Number	er of Reflow Cyc	cles	
Matte Tin (Sn) - annealed CU Alloy 1		1	245	С	30	seconds 3			
Comments									
evel 1 - maximum time at peak temperature during sol	Idering is 10-30 seconds								
For more information regarding material 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), Diisobutyl 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 v 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 co 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	ances per the definitio	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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.267	mg	В	Gallium Arsenide (AsGa)	1303-00-0		0.0864	mg
			Supplier	Silicon (Si)	7440-21-3		0.1754	mg
			Supplier	Aluminum (Al)	7429-90-5		0.0052	mg
Die Attach	0.021	mg	Supplier	Silver (Ag)	7440-22-4		0.0172	mg
			Supplier	Dicyandiamine	461-58-5		0.0002	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0036	mg
Lead Frame	13.225	mg	Supplier	Silver (Ag)	7440-22-4		0.6784	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0238	mg
			Supplier	Iron (Fe)	7439-89-6		0.3253	mg
			Supplier	Copper (Cu)	7440-50-8		12.1789	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0185	mg
Mold Compound-White	31.422	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		7.8555	mg
			В	Brominated Bisphenol A Diglycidyl Ether	40039-93-8		0.9427	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		4.242	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.9427	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		15.711	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		1.7282	mg
lating	0.961	mg	Supplier	Tin (Sn)	7440-31-5		0.961	mg
Protective Coating	8.8 mg	mg	Supplier	Poly(dimethylsiloxane), hydroxy terminated	70131-67-8		4.4	mg
			Supplier	Ethylbenzene	100-41-4		0.88	mg
			Supplier	Filler (SiO2)	68909-20-6		1.672	mg
			Supplier	Misc.	Proprietary Data		0.088	mg
			Supplier	Xylene	1330-20-7		1.76	mg
Wire Bond - Au	0.053	mg	Supplier	Gold (Au)	7440-57-5		0.053	mg