ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Par	PC. Bannockl	ourn, Illinois, A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declarati the declaration e	on of the su	ibstances v s all lower	vithin the manufactu level materials for v	rer listed in the rest of the	tem. Note: nanufacture	if the item is an as er has engineering	sembly with low responsibility.	
				Form Type Distribute					ials and M	ials and Mfg Information				
upplier Information														
Company name*	Company un	Company unique ID			Unique ID Authority				Respon	Response Date*				
onsemi										2024-04	2024-04-29			
Contact Name Title - Contact			ct				Phone - Contact*				Email - Contact*			
Product-Env-Stewards Produc			roduct Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title			Title - Representative			Phone - Representative*				Email -	Email - Representative*			
Product-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
Requester Item Number	Number Mfr Item Nu		Number Mfr Item Name			Effective Date	Tective Date Version Manufacturing Site			Weight*	UOM	Unit Type		
	EMI212	EMI2121MTTAG CMF WITH ESI)		2024-04-29		М	MY1		4.92	mg	Each	
Ianufacturing Proccess Informa	tion							İ						
Terminal Plating / Grid Array Ma	ay Material Terminal Base Alloy		Alloy	J-STD-020 MSI	MSL Rating Peak		Process Body Temperature Max Time at Peak		c Tempera	ture Num	ber of Reflow Cyc	les		
Matte Tin (Sn) - annealed CU A		CU Alloy	1			260 C		С	30 seco		seconds 3			
omments														
vel 1 - maximum time at peak temperatu	ire during so	ldering is 10-3	0 seconds											
or 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), 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 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 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	outer mote noted).							
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.23	mg	Supplier	Silicon (Si)	7440-21-3		0.23	mg
Die Attach	0.64	mg		Resin	proprietary data		0.0512	mg
			Supplier	Silver (Ag)	7440-22-4		0.5408	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.048	mg
Lead Frame	1.87	mg	Supplier	Silver (Ag)	7440-22-4		0.0193	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0176	mg
			Supplier	Iron (Fe)	7439-89-6		0.0438	mg
			Supplier	Copper (Cu)	7440-50-8		1.7877	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0017	mg
Mold Compound-Black	1.87	mg	Supplier	Epoxy and Phenolic Resin	40216-08-8		0.1496	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0093	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.0374	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1.6176	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0561	mg
Plating	0.24	mg	Supplier	Tin (Sn)	7440-31-5		0.24	mg
Wire Bond - Au	0.07	mg	Supplier	Gold (Au)	7440-57-5		0.07	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).