ABSOCIATION CONNECTING ELECTRANCE INDUSTRIES® INCLUSTRIES	PC. Bannockł	ourn. Illinois. A	Ill rights reserved untions.	under both	This docume level parts, t	ent is a declara he declaration	tion of the s encompasse	ubstances es all lowe	within the r level mat	manufacture erials for wh	er listed ite nich the ma	m. Note: nufacture	if the item is an as r has engineering	sembly with lowe responsibility.
	IPC Web Site for Information on IPC-1752 Standard Form http://www.ipc.org/IPC-175x Distribution				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and N					uls and Mfg	Informa	tion	
Supplier Information														
Company name* Com			Company unique ID			Unique ID Authority					Response Date*			
nsemi											2024-05-02			
ontact Name Title - Contact			ct	t			Phone - Contact*				Email - Contact*			
Product-Env-Stewards Product Er			ct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Represent			sentative			Phone - Representative*				Email - Representative*				
Product-Env-Stewards Product En			act Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date Version Manufacturing S		ring Site	W	eight*	UOM	Unit Type		
	ESD710	D7104MUTAG BI-DIRECT		ONAL 4 LINE TVS		2024-05-02		1	MY1		3.0	52	mg	Each
Manufacturing Proccess Informa	tion							·						
Terminal Plating / Grid Array Ma	Material Terminal Base Alloy		Alloy	J-STD-020 MSI	STD-020 MSL Rating		Peak Process Body Temperature		re Max Time at Peak Tempera		Temperatur	e Num	ber of Reflow Cyc	les
Matte Tin (Sn) - annealed CU Alloy		CU Alloy		1		260		С	30		seconds	3		
Comments														
evel 1 - maximum time at peak temperatu	re during so	Idering 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), Dibutyl phthalate (DBP), 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	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	0.05	mg	Supplier	Silicon (Si)	7440-21-3		0.05	mg
Die Attach Epoxy	0.01	mg		Epoxy resin	proprietary data		0.0065	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.0035	mg
Lead Frame	1.12	mg	Supplier	Silver (Ag)	7440-22-4		0.0224	mg
			Supplier	Iron (Fe)	7439-89-6		0.0246	mg
			Supplier	Copper (Cu)	7440-50-8		1.073	mg
Mold Compound-Black	2.26	mg	Supplier	Epoxy and Phenolic Resin	40216-08-8		0.1808	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0113	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.0452	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1.9549	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0678	mg
Plating	0.09	mg	Supplier	Tin (Sn)	7440-31-5		0.09	mg
Wire Bond - Au	0.09	mg	Supplier	Gold (Au)	7440-57-5		0.09	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).