ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Pan-	C, Bannockt	ourn, Illinois. A	Ill rights reserved untions.	under both	This docume level parts, t	ent is a declara	tion of the s encompasse	ubstances es all lowe	within the man er level materials	ufacturer li s for which	sted item. Note: i the manufacture	f the item is an a has engineering	ssembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form http://www.ipc.org/IPC-175x Distr				ype * Declaration Class * te Class 6 - RoHS Yes/No, Homogeneous Mater				Materials a	ials and Mfg Information				
Supplier Information														
Company name* Co			Company unique ID			Unique ID Authority				Re	Response Date*			
nsemi											2025-06-04			
ntact Name Title - Contact			ct	I			Phone - Contact*				Email - Contact*			
Product-Env-Stewards Product Envi			nviro Compliance			NA				Pr	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Repre			presentative			Phone - Representative*			En	Email - Representative*				
Product-Env-Stewards Product H			oduct Enviro Compliance			NA				Pr	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Item Number		mber Mfr Item Name			Effective Da	e Version		Manufacturing Site		Weight*	UOM	Unit Type	
	MMSZ4	680ET1G	ZENER REGULATOR SOD123		3	2025-06-04			CN1		11.525	mg	Each	
Anufacturing Proccess Information	on													
Terminal Plating / Grid Array Mat	terial Terminal Base		Alloy	by J-STD-020 MSL Ratin		Peak Pro	ak Process Body Temperature M		re Max Time a	t Peak Ten	k Temperature Number of Reflow Cycles		cles	
Matte Tin (Sn) - annealed CU Alloy		CU Alloy		1		260		С	30		seconds 3			
omments														
vel 1 - maximum time at peak temperatur	e during sol	dering is 10-3	0 seconds											
or more information regarding material c	omposition	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	toHS 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 hthalate (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	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	0.88	mg	Supplier	Silicon (Si)	7440-21-3		0.88	mg
Lead Frame	3.19	mg	В	Nickel (Ni)	7440-02-0		1.158	mg
			Supplier	Iron (Fe)	7439-89-6		1.6014	mg
			Supplier	Copper (Cu)	7440-50-8		0.4306	mg
Mold Compound-Black	6.51	mg	Supplier	Boron zinc hydroxide oxide	138265-88-0		0.1953	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		0.0325	mg
			Supplier	2,4,6-triamino-s-triazincompd.withs- triazine-triol	37640-57-6		0.1953	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		5.208	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0651	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.5208	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.2929	mg
Plating	0.8	mg	Supplier	Tin (Sn)	7440-31-5		0.8	mg
Wire Bond	0.145	mg	Supplier	Palladium (Pd)	7440-05-3		0.0019	mg
			Supplier	Copper (Cu)	7440-50-8		0.1431	mg