ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®	I Composition De ht 2005. IPC, Bannock al and Pan-American c	claration burn, Illinois. A opyright conver	Il rights reserved u ntions.	nder both	This docume level parts, th	ent is a declaration en	n of the substanc compasses all lo	es within the manu wer level materials	facturer lister for which the	d item. Note: i e manufacture	if the item is an as r has engineering	sembly with low responsibility.	
·/5/-//	1 IPC Web Site for Information on IPC-1752 Standard Form Ty			Form Type Distribute	 Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi 				Materials and	als and Mfg Information			
upplier Information													
ompany name*	Company un	Company unique ID			Unique ID Authority				Response Date*				
nsemi									2024-04-17				
ontact Name	Title - Conta	Title - Contact			Phone - Contact*				Email - Contact*				
Product-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
uthorized Representative*	Title - Repre	Title - Representative			Phone - Representative*			Emai	Email - Representative*				
roduct-Env-Stewards	Product Enviro Compliance				NA			Prod	Product-Env-Stewards@onsemi.com				
Requester Item Numb	Requester Item Number Mfr Iten		n Number Mfr Item Name			Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
	2N6109	2N6109G BIP T0220 PN		7A 50V		2024-04-17		CNC		1962.01	mg	Each	
Ianufacturing Proccess I	nformation												
Terminal Plating / Grid Array Material Terminal		erminal Base Alloy J-STD-020 MSI		L Rating	Peak Process Body Temperature Ma		ture Max Time at	Peak Tempe	rature Numb	per of Reflow Cyc	cles		
Matte Tin (Sn) - annealed		CU Alloy NA			0 C		30	sec	conds 3				
omments													
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	(Pb), Mercury (Hg), Hexavalent Chro	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, polybromina contains a RoHS restricted substance inexces encompass all such components. Supplier cer as of the date that Supplier completes this for Company acknowledges that Supplier may h independently verified information provided certification in this paragraph. If the Company	ated biphenyls and/or polybrominated dip s of an applicable quantity limit, please in iffies that it gathered the information it pr m.Supplier acknowledges that Company ave relied on informationprovided by oth by others, Supplier agrees that, at a minir and the Supplier enter into a written agr esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substa ndicate below which, if any, RoHS exemption ovides in this form using appropriate methoo will rely on this certification in determining ers in completing this form, and that Supplie num, itssuppliers have provided certification eement with respect to the identified part, the Company's remedies for issues that arise reg	nce") in exco n you believe ls to ensure i the compliar r may not ha s regarding t terms and co	e may apply. If the part is an assembly with low s accuracy and that such information is true an ce of its products with European Union member de independently verified such information. Ho neir contributions to the part, and those certifica	ove. If a homogeneous material within the part er level components, the declaration shall d correct to the best of its knowledge and belief, er state laws that implement the RoHS Directive. wever, in situations where Supplier has not ations are at least as comprehensive as the anty rights and/or remedies provided as part of						
RoHS Declaration * 4 - Item(s) does not contain RoHS restricted subst	ances per the definition above except for sele	ected exempt	ions Supplier Acceptance	* Accepted						
Exemption: 7a: Lead in high melting temp	erature type solders (i.e. lead based sol	der alloys containing 85% by weight or m	ore lead).								
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.											
Supplier Digital Signature	astislav 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.

	cable [E] enter the weigh			ance category (JIG or Requester) or enter a [F] Optionally enter the positive (+) and n				
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	3.55	mg	Supplier	Silicon (Si)	7440-21-3		3.55	mg
Die Attach	82.98	mg	А	Lead (Pb)	7439-92-1	7a	78.831	mg
			Supplier	Tin (Sn)	7440-31-5		4.149	mg
Lead Frame	1300.04	mg	Supplier	Copper (Cu)	7440-50-8		1300.04	mg
Mold Compound-Black	543.9	mg		Brominated epoxy resin	proprietary data		10.878	mg
			Supplier	Phenolic Resin	Proprietary Data		27.195	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		16.317	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		435.12	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		54.39	mg
Plating	31.13	mg	Supplier	Tin (Sn)	7440-31-5		31.13	mg
Wire Bond - Al	0.41	mg	Supplier	Aluminum (Al)	7429-90-5		0.41	mg