ASSOCIATION CONNECTINI	© Copyright 2005. IPC, international and Pan-Ar	Bannockb	urn, Illinois. A	ll rights reserved untions.	under both	This docume level parts, t	ent is a declarat he declaration e	ion of the su encompasse	ubstances v s all lower	within the manufactule level materials for v	urer listed which the i	item. Note: nanufacture	if the item is an as er has engineering	ssembly with low responsibility.	
752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				e *	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				rials and N	als and Mfg Information				
upplier Inform	ation														
Company name*			Company unique ID				Unique ID Authority				Respon	Response Date*			
onsemi											2024-04	2024-04-26			
Contact Name			Title - Contact				Phone - Contact*				Email -	Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative*			Title - Representative				Phone - Representative*				Email -	Email - Representative*			
Product-Env-Stewards			Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com			
Requeste	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	ctive Date Version Manufacturing Site		Ianufacturing Site		Weight*	UOM	Unit Type	
		TIG058E	TIG058E8-TL-H NCH IGBT		150A 400V 4V		2024-04-26		С	CNG		19.05	mg	Each	
Ianufacturing	Proccess Information	n		-											
Terminal Plating / Grid Array Material Ter			erminal Base Alloy J-STD-020 MSL		L Rating	Peak Proc	Peak Process Body Temperat		ure Max Time at Peak Temp		ture Num	ber of Reflow Cy	cles		
contains Bi C			U Alloy 1			260	260 C		30	seco	nds 3				
omments															
vel 1 - maximum ti	me at peak temperature o	during sol	dering is 10-3	0 seconds											
or more informatio	on regarding material con	position 1	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), Diisobutyl 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 Requester) and click on Submit Form to h			e drop-dowi	a. This will display the signature area. Digita	lly sign the declaration (if required by the							
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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	1.5	mg	Supplier	Silicon (Si)	7440-21-3		1.5	mg
Die Attach Solder	0.99	mg	Supplier	Silver (Ag)	7440-22-4		0.0247	mg
			А	Lead (Pb)	7439-92-1	7a	0.9158	mg
			Supplier	Tin (Sn)	7440-31-5		0.0495	mg
Lead Frame	8.66	mg	Supplier	Silver (Ag)	7440-22-4		0.0961	mg
			Supplier	Tin (Sn)	7440-31-5		0.0121	mg
			Supplier	Copper (Cu)	7440-50-8		8.5518	mg
Mold Compound-Black	7.75	mg		Epoxy Phenol Resin	proprietary data		0.2945	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0775	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.775	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		5.425	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		1.1625	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.0155	mg
Plating	0.14	mg	В	Bismuth (Bi)	7440-69-9		0.0008	mg
			Supplier	Tin (Sn)	7440-31-5		0.1392	mg
Wire Bond - Au	0.01	mg	Supplier	Gold (Au)	7440-57-5		0.01	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).