ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES	PC. Bannockl	burn. Illinois. A	ll rights reserved untions.	under both	This docume level parts, t	ent is a declara the declaration	ion of the s encompasse	ubstances s all lowe	within the n r level mate	nanufacture rials for wh	er listed item ich the manu	Note: if	f the item is an as has engineering	sembly with lowe responsibility.
	IPC Web Site for Information on IPC-1752 Standard Form http://www.ipc.org/IPC-175x Distr				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ous Materia	ials and Mfg Information			
Supplier Information														
Company name* Con			Company unique ID			Unique ID Authority					Response Date*			
nsemi											2024-05-03			
Contact Name	Title - Contact				Phone - Contact*						Email - Contact*			
Product-Env-Stewards Product Er			Enviro Compliance			NA					Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - R			Representative			Phone - Representative*				Email - Representative*				
Product-Env-Stewards Pro			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	Requester Item Number Mfr Item		Number Mfr Item Name			Effective Date	Date Version Manufacturing Site		ng Site	Wei	ght*	UOM	Unit Type	
	NGTB1	GTB10N60R2DT4G RC2 IGBT 10A 60		500V DPAK		2024-05-03		(CN5		328	49	mg	Each
Manufacturing Proccess Informa	tion		·										·	
Terminal Plating / Grid Array M	y Material Terminal Base Alloy		Alloy	J-STD-020 MSI	D-020 MSL Rating		Peak Process Body Temperature M		e Max Time at Peak Tempera		Femperature	Numb	er of Reflow Cyc	eles
Matte Tin (Sn) - annealed CU Alloy			1		260		С	30		seconds	3			
Comments														
evel 1 - maximum time at peak temperat	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), 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.

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).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	1.26	mg	Supplier	Silicon (Si)	7440-21-3		1.26	mg	
Die Attach	3.5	mg	Supplier	Silver (Ag)	7440-22-4		0.0875	mg	
			А	Lead (Pb)	7439-92-1	7a	3.325	mg	
			Supplier	Tin (Sn)	7440-31-5		0.0875	mg	
Lead Frame	174.19	mg	Supplier	Tin (Sn)	7440-31-5		0.2264	mg	
			В	Nickel (Ni)	7440-02-0		0.0697	mg	
			Supplier	Copper (Cu)	7440-50-8		173.8939	mg	
Mold Compound-Black	145.2	mg		Epoxy Phenol Resin	proprietary data		18.876	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.2178	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		122.4762	mg	
			Supplier	Silica Crystalline (SiO2)	14808-60-7		3.63	mg	
Plating	3.2	mg	Supplier	Tin (Sn)	7440-31-5		3.2	mg	
Wire Bond - Al	1.14	mg	Supplier	Aluminum (Al)	7429-90-5		1.14	mg	