© Copyright 20	mposition De 05. IPC, Bannockt d Pan-American co	ourn. Illinois. A	ll rights reserved u ntions.	nder both	This docum level parts, t	ent is a declarat the declaration of	ion of the su encompasse	ubstances s all lowe	within the manufacture or level materials for w	rer listed i hich the n	tem. Note: i nanufacture	f the item is an as r has engineering	sembly with lower responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form http://www.ipc.org/IPC-175x Distri				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Ir					lfg Informat	ion			
Supplier Information														
Company name*	Company unique ID			Unique ID Authority				Response Date*						
onsemi										2024-05-18				
Contact Name Title -			Fitle - Contact			Phone - Contact*				Email -	Email - Contact*			
Product-Env-Stewards Prod			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title			Fitle - Representative			Phone - Representative*			Email - Representative*					
Product-Env-Stewards Product			roduct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	uester Item Number Mfr Item		Number Mfr Item Name			Effective Date	Version]	Manufacturing Site		Weight*	UOM	Unit Type	
	NSVS50	030SB3T1G	BIP PNP 3A 50V for AUTO			2024-05-18			CNG		12.75	mg	Each	
Manufacturing Proccess Infor	mation		•											
Terminal Plating / Grid Arra	Terminal Plating / Grid Array Material Terminal Ba		Alloy J	-STD-020 MSL	Rating	Peak Proc	ess Body T	emperatu	re Max Time at Peak	Tempera	ture Numb	per of Reflow Cy	cles	
contains Bi CU Alloy		1	1		260		С	30	secon	nds 3				
Comments														
level 1 - maximum time at peak temp	erature during so	dering is 10-3	0 seconds											
For more information regarding mate	erial 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), 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 temperature type solders (i.e. lead based solder alloys containing 85% by weight or more 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	0.33	mg	Supplier	Silicon (Si)	7440-21-3		0.3277	mg
			Supplier	Polyimide	Proprietary Data		0.0023	mg
Die Attach Solder	0.17	mg	Supplier	Silver (Ag)	7440-22-4		0.0043	mg
			А	Lead (Pb)	7439-92-1	7a	0.1573	mg
			Supplier	Tin (Sn)	7440-31-5		0.0085	mg
Lead Frame	5.1	mg	Supplier	Silver (Ag)	7440-22-4		0.0566	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0097	mg
			Supplier	Iron (Fe)	7439-89-6		0.1311	mg
			Supplier	Copper (Cu)	7440-50-8		4.8955	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0071	mg
Mold Compound-Black	6.85	mg		Epoxy Phenol Resin	proprietary data		0.0548	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0685	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.411	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		5.48	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.822	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.0137	mg
Plating	0.22	mg	В	Bismuth (Bi)	7440-69-9		0.0013	mg
			Supplier	Tin (Sn)	7440-31-5		0.2187	mg
Wire Bond - Cu	0.08	mg	Supplier	Copper (Cu)	7440-50-8		0.08	mg