ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Pa	IPC Bannockl	ourn Illinois. A	ll rights reserved utions.	under both	This docum level parts, t	ent is a declarati the declaration e	on of the su	ibstances s all lowe	within the manuf r level materials f	acturer listed or which the	d item. Not e manufact	ote: if the it turer has er	em is an asser ngineering res	nbly with low ponsibility.	
				Form Type Distribute	2 * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					aterials and	als and Mfg Information				
Supplier Information															
Company name* Com			Company unique ID			Unique ID Authority					Response Date*				
nsemi											2024-05-18				
Contact Name	ttact Name Title - Contact				Phone - Contact*					Emai	Email - Contact*				
Product-Env-Stewards Product Er			Enviro Compliance			NA				Prod	Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Rep			epresentative			Phone - Representative*				Emai	Email - Representative*				
Product-Env-Stewards	Product Enviro Compliance				NA				Prod	Product-Env-Stewards@onsemi.com					
Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective Date	ate Version Manufac		Manufacturing Sit	e	Weight*	* U	JOM	Unit Type	
	NRVB5	VB5H100MFST3G Auto Standard of M		MBR5H100MF	ST3G	2024-05-18					113.069	n	ng	Each	
Ianufacturing Proccess Informa	ntion											·			
Terminal Plating / Grid Array M	laterial 7	al Terminal Base Alloy		J-STD-020 MSL	Rating	Peak Proc	ocess Body Temperature Max Time at Peak		Peak Tempe	rature Nu	umber of F	Reflow Cycles			
Matte Tin (Sn) - annealed CU Alloy			1		260		С	30	sec	onds 3					
omments															
vel 1 - maximum time at peak temperat	ure during so	ldering is 10-3	0 seconds												
or more information regarding material	l composition	please refer to	page 3												

RoHS Material Composition Declaration				Declaration Type *	Detailed				
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		mium (Cr6+), Polybrominated Biphenyls (Pl		dmium and quantity limit of 0.1% by mass (10 minated Diphenyl Ethers (PBDE), and Bis(2-et					
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 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.

sigma range of distribution unless otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Clip	4.8	mg	Supplier	Zinc (Zn)	7440-66-6		0.0058	mg	
			Supplier	Iron (Fe)	7439-89-6		0.1128	mg	
			Supplier	Copper (Cu)	7440-50-8		4.68	mg	
			Supplier	Phosphorus (P)	7723-14-0		0.0014	mg	
Die	0.713	mg	Supplier	Silicon (Si)	7440-21-3		0.713	mg	
Die Attach Solder	11.9	mg	Supplier	Silver (Ag)	7440-22-4		0.2975	mg	
			А	Lead (Pb)	7439-92-1	7a	11.0075	mg	
			Supplier	Tin (Sn)	7440-31-5		0.595	mg	
Lead Frame	47.57	mg	Supplier	Silver (Ag)	7440-22-4		0.0285	mg	
			Supplier	Iron (Fe)	7439-89-6		0.0476	mg	
			Supplier	Copper (Cu)	7440-50-8		47.4796	mg	
			Supplier	Phosphorus (P)	7723-14-0		0.0143	mg	
Mold Compound-Black	47.136	mg		Epoxy resin	proprietary data		3.5352	mg	
			Supplier	Phenolic Resin	Proprietary Data		1.1784	mg	
			Supplier	Silica Amorphous (SiO2)	7631-86-9		3.5352	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.2357	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		38.6515	mg	
Plating	0.95	mg	Supplier	Tin (Sn)	7440-31-5		0.95	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).