	Material Composit © Copyright 2005. IPC, international and Pan-Ar	Bannockb	urn, Illinois. A	ll rights reserved untions.	nder both	This docum level parts,	ent is a declaration	ion of the s encompasse	ubstances es all lower	within the manufactur r level materials for w	rer listed i which the r	tem. Note: i nanufacturer	f the item is an as r has engineering	ssembly with lower responsibility.
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				e *	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				als and Mfg Information				
Supplier Informa	ation													
Company name*			Company unique ID				Unique ID Authority				Response Date*			
onsemi											2024-05	-19		
Contact Name			Title - Contact				Phone - Contact*				Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Authorized Representative*			Title - Representative				Phone - Representative*				Email - Representative*			
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Requester	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	e Version	Ν	Anufacturing Site		Weight*	UOM	Unit Type
		NRVB120VLSFT1G Auto stan		Auto standard of	to standard of MBR120VLSFT1G		2024-05-19		N	MY1		14.9	mg	Each
Manufacturing P	roccess Information	1									· · · ·			
Terminal Plating / Grid Array Material Termin			erminal Base A	nal Base Alloy J-STD-020 MSL I			Peak Process Body Temperature Max Time at Peak			Temperature Number of Reflow Cycles				
Matte Tin (Sn) - annealed CU Alloy				1		260		С	30	secor	nds 3			
Comments														
evel 1 - maximum tin	ne at peak temperature d	luring sol	dering is 10-3	0 seconds										
For more information	n regarding material con	position j	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 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 (IIG A IIG B	Requester or Supplier) [B	l select the subst	ance category (JIG or Requester) or enter a va	alue (Supplier) [C] se	elect the substance (II	G) or enter the substa	nce and CAS (Other) [D]
select a RoHS exemption, if applic	cable [E] enter the weigh	t of the substance or the P	PM concentration	[F] Optionally enter the positive (+) and neg	ative (-) tolerance in	percent (Note: percer	it 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
Clip	2.02	mg	Supplier	Zinc (Zn)	7440-66-6		0.0024	mg
			Supplier	Iron (Fe)	7439-89-6		0.0475	mg
			Supplier	Copper (Cu)	7440-50-8		1.9695	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0006	mg
Die	0.98	mg	Supplier	Silicon (Si)	7440-21-3		0.98	mg
Die Attach Solder	0.26	mg	Supplier	Silver (Ag)	7440-22-4		0.0065	mg
			А	Lead (Pb)	7439-92-1	7a	0.2405	mg
			Supplier	Tin (Sn)	7440-31-5		0.013	mg
Lead Frame	5.25	mg	Supplier	Zinc (Zn)	7440-66-6		0.0063	mg
			Supplier	Iron (Fe)	7439-89-6		0.1234	mg
			Supplier	Copper (Cu)	7440-50-8		5.1188	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0016	mg
Mold Compound-Black	5.79	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.579	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0289	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.8395	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		3.7635	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.579	mg
Plating	0.6	mg	Supplier	Tin (Sn)	7440-31-5		0.6	mg