IPC ASSOCIATION ELECTRONICS	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under to international and Pan-American copyright conventions.			nder both	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
752-21.1		IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information			
Supplier	Information														
Company name* Company				ompany unique ID			Unique ID Authority					Response Date*			
onsemi												2024-05-19			
Contact Na	me		Title - Contact			I	Phone - Contact*				Email - Contact*				
Product-E	nv-Stewards		Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com				
uthorized	Representative*	Title - Representative			I	Phone - Representative*				Email - Representative*					
Product-E	nv-Stewards	Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr I		Number			Effective Date	Vers	sion	Manufacturing Site		V	Veight*	UOM	Unit Type	
		NVD5C4	VD5C478NT4G T6 40V DPAK expupdate		pansion and por	tfolio	2024-05-19	VN5		3	50.99	mg	Each		
Ianufac	turing Proccess Informa	ntion													
7	Terminal Plating / Grid Array M	Terminal Base Alloy J-STD-020 MS		-STD-020 MSL	Rating	Peak Process Body Temperature Max Time a		ime at Peak	Temperatu	re Numb	per of Reflow Cyc	eles			
Matte Tin (Sn) - annealed CU			TU Alloy 1			260 C 30			seconds 3						
omments															
vel 1 - ma	ximum time at peak temperat	ure during sol	ldering is 10-	30 seconds											
or more ir	nformation regarding material	composition	please refer t	o page 3											

RoHS Material Composition Declaration			Declaration Type *	Detailed						
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, polybrominal contains a RoHS restricted substance inexcess encompass all such components. Supplier certi as of the date that Supplier completes this for Company acknowledges that Supplier may ha independently verified information provided by certification in this paragraph. If the Company	ted biphenyls and/or polybrominated dipheny of an applicable quantity limit, please indicate fies that it gathered the information it provident. Supplier acknowledges that Company will we relied on information provided by others in the supplier agrees that, at a minimum and the Supplier enter into a written agreements ource of the Supplier's liability and the Com-	2011/65/EU and implemented by the laws of the End ethers (each a "RoHS restricted substance") in except the below which, if any, RoHS exemption you believe in this form using appropriate methods to ensure rely on this certification in determining the compliant completing this form, and that Supplier may not have its suppliers have provided certifications regarding ent with respect to the identified part, the terms and capany's remedies for issues that arise regarding information in the content of the content with the supplier of the content	sess of the applicable quantity limit identified able may apply. If the part is an assembly with low its accuracy and that such information is true annee of its products with European Union member ave independently verified such information. However, their contributions to the part, and those certifications of that agreement, including any warr	bove. If a homogeneous material within the part ver level components, the declaration shall d correct to the best of its knowledge and belief, er state laws that implement the RoHS Directive. It is involved in situations where Supplier has not ations are at least as comprehensive as the ranty rights and/or remedies provided as part of						
RoHS Declaration * 4 - Item(s) does not contain RoHS restricted substance	s per the definition above except for selected exemp	tions 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 f Requester) and click on Submit Form to ha		Accepted" on the Supplier Acceptance drop-dow	n. This will display the signature area. Digita	lly sign the declaration (if required by the						
Supplier Digital Signature Ra	astislav Drska	-En								

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	0.2	mg	Supplier	Silicon (Si)	7440-21-3		0.2	mg
Die Attach	1.4	mg	A	Lead (Pb)	7439-92-1	7a	1.33	mg
			Supplier	Tin (Sn)	7440-31-5		0.07	mg
Lead Frame	214.64	mg	В	Nickel (Ni)	7440-02-0		0.4293	mg
			Supplier	Copper (Cu)	7440-50-8		214.2107	mg
Mold Compound-Black	129.65			Epoxy resin	proprietary data		9.7238	mg
			Supplier	Phenolic Resin	Proprietary Data		3.2412	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		9.7238	mg
			Supplier	Carbon Black (C)	1333-86-4		0.6482	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		106.313	mg
Plating	3.73	mg	Supplier	Tin (Sn)	7440-31-5		3.73	mg
Wire Bond - Al	1.37	mg	Supplier	Aluminum (Al)	7429-90-5		1.37	mg