© Copyrig	al Composition D but 2005. IPC, Bannoc nal and Pan-American	kburn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declarat he declaration e	ion of the su	ibstances v s all lower	within the manufactur level materials for w	rer listed ite hich the ma	m. Note: i nufacturer	if the item is an as r has engineering	sembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials a					s and Mfg Information			
Supplier Information														
Company name*			Company unique ID			Unique ID Authority				Response Date*				
nsemi									2024-05-05					
Contact Name			Title - Contact			Phone - Contact*				Email - Contact*				
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Authorized Representative*			Title - Representative			Phone - Representative*				Email - Representative*				
Product-Env-Stewards Proc			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Numb	uester Item Number Mfr Item		n Number Mfr Item Name			Effective Date	ffective Date Version Manufacturing Site		Ianufacturing Site	W	'eight*	UOM	Unit Type	
	NCN8	024DTBR2G	SMART CARD IC			2024-05-05		Pl	PH1		3.69	mg	Each	
Anufacturing Proccess I	nformation													
Terminal Plating / Grid Array Material Terminal B		Terminal Base	Alloy J-STD-020 MSL Rati		L Rating	Peak Proc	Peak Process Body Temperature		re Max Time at Peak Tempera		re Numb	ber of Reflow Cyc	les	
Matte Tin (Sn) - annealed C		CU Alloy	U Alloy 3			260	260 C		30	second	s 3			
omments														
TTENTION: MSL 3 Rated iter	m requires Bake and	Dry Pack (after	electrical test)											
or more information regarding	material compositio	n 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, polybrominate contains a RoHS restricted substance inexcess encompass all such components. Supplier certif as of the date that Supplier completes this form Company acknowledges that Supplier may hav independently verified information provided by certification in this paragraph. If the Company a	ed biphenyls and/or polybrominated dip of an applicable quantity limit, please ir ies that it gathered the information it pro- .Supplier acknowledges that Company e relied on informationprovided by othe y others, Supplier agrees that, at a minin and the Supplier enter into a written agre pource of the Supplier's liability and the	henyl ethers (each a " ndicate below which, i ovides in this form us will rely on this certifiers in completing this num, itssuppliers have eement with respect to Company's remedies	RoHS restricted substance") in exce if any, RoHS exemption you believe ing appropriate methods to ensure if ication in determining the complian form, and that Supplier may not have e provided certifications regarding the to the identified part, the terms and cc for issues that arise regarding inform	ce of its products with European Union membe	ove. If a homogeneous material within the part er level components, the declaration shall l correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not tions are at least as comprehensive as the anty rights and/or remedies provided as part of					
RoHS Declaration * 1 - Item(s)	does not contain RoHS restricted substa	ances per the definitio	on above	Supplier Acceptance	* Accepted					
Exemption: If the declared item does not con applicable exemptions.	ntain RoHS restricted substances per	the definition above	except for defined RoHS exempti	ons, then select the corresponding response i	n the RoHS Declaration above and choose all					
Exemption List Version	EL-2011/534/EU									
Declaration Signature										
Instructions: Complete all of the required fin Requester) and click on Submit Form to have	elds on all pages of this form. Select the form returned to the Requester	he "Accepted" on th	e Supplier Acceptance drop-down	. This will display the signature area. Digital	lly sign the declaration (if required by the					
Supplier Digital Signature Ra	stislav 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	6.36	mg	Supplier	Silicon (Si)	7440-21-3		6.36	mg
Die Attach	1.33	mg	Supplier	Silver (Ag)	7440-22-4		0.9975	mg
			Supplier	Epoxy resins	129915-35-1		0.3325	mg
Lead Frame	32.89	mg	Supplier	Silver (Ag)	7440-22-4		1.4998	mg
			Supplier	Magnesium (Mg)	7439-95-4		0.046	mg
			Supplier	Silicon (Si)	7440-21-3		0.2039	mg
			В	Nickel (Ni)	7440-02-0		0.9407	mg
			Supplier	Copper (Cu)	7440-50-8		30.1996	mg
Mold Compound-Black	54.71	mg		Epoxy Phenol Resin	proprietary data		5.7445	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		48.9654	mg
Plating	2.3	mg	Supplier	Tin (Sn)	7440-31-5		2.3	mg
Wire Bond - Au	1.1	mg	Supplier	Gold (Au)	7440-57-5		1.1	mg