ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES	burn, Illinois. All rights reserve	ved under both	This docume level parts, th	ent is a declaration he declaration en	on of the substan	ces within the manufactures within the manufacture over level materials for v	arer listed iten which the man	n. Note: if th ufacturer ha	ne item is an ass as engineering i	sembly with lower responsibility.	
IPC Web Site for Information or http://www.ipc.org/IPC-175x	IPC Web Site for Information on IPC-1752 Standard Form Ty http://www.ipc.org/IPC-175x Distribut			⁴ Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Infor							
Supplier Information											
Company name*	pany name* Company unique ID			Unique ID Authority				Response Date*			
onsemi								2023-06-08			
Contact Name	Title - Contact]	Phone - Contact*			Email - Contact*				
Product-Env-Stewards	Product Enviro Compliance	e		NA			Product-Env-Stewards@onsemi.com				
Authorized Representative*	orized Representative* Title - Representative			Phone - Representative*				Email - Representative*			
Product-Env-Stewards Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number Mfr Ite	n Number Mfr Item Na	Mfr Item Name		Effective Date	Version	Manufacturing Site	We	ight*	UOM	Unit Type	
NCN8(5AMNTXG SMART CARD IC			2023-06-08		MY1	44.	91	mg	Each	
Manufacturing Proccess Information											
Terminal Plating / Grid Array Material	Ferminal Base Alloy J-STD-020 M		L Rating	Peak Proce	Peak Process Body Temperature Max		Temperature Number of Reflow Cycles		les		
Matte Tin (Sn) - annealed CU Alloy 1		1		260	С	30	seconds	3			
Comments											
evel 1 - maximum time at peak temperature during s	oldering is 10-30 seconds										
For more information regarding material compositio	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 ohthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl 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	2.98	mg	Supplier	Silicon (Si)	7440-21-3		2.98	mg
Die Attach 0.55	0.55	mg	Supplier	Epoxized Condensate Of Para- Hydrobenzaldehyde And Alkyl Phenol	129915-35-1		0.11	mg
			Supplier	Silver (Ag)	7440-22-4		0.44	mg
Lead Frame 16.8	16.85	mg	Supplier	Silver (Ag)	7440-22-4		0.1685	mg
			Supplier	Tin (Sn)	7440-31-5		0.0421	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0371	mg
			Supplier	Chromium (Cr)	7440-47-3		0.0421	mg
			Supplier	Copper (Cu)	7440-50-8		16.5602	mg
Mold Compound-Black 22	22.31	mg	Supplier	Epoxy and Phenolic Resin	40216-08-8		1.7848	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1115	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.4462	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		19.2981	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.6693	mg
Plating	1.89	mg	Supplier	Tin (Sn)	7440-31-5		1.89	mg
Wire Bond - Au	0.33	mg	Supplier	Gold (Au)	7440-57-5		0.33	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).