ABSOCIATION CONNECTING ELECTRANCE INDUSTRIES® INDUSTRIES®	burn, Illinois. All rights	s reserved under both	This docume level parts, t	ent is a declaration	ion of the sub-	stances w	ithin the manufacture evel materials for wh	er listed item hich the manu	. Note: if th ifacturer ha	e item is an ass s engineering r	embly with lower esponsibility.
IPC Web Site for Information on http://www.ipc.org/IPC-175x	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 Materia				als and Mfg Information			
Supplier Information											
Company name* Company unique ID				Unique ID Authority				Response Date*			
nsemi								2023-06-08			
Contact Name	Title - Contact			Phone - Contact*				Email - Contact*			
Product-Env-Stewards	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
uthorized Representative* Title - Representative				Phone - Representative*				Email - Representative*			
Product-Env-Stewards Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Requester Item Number Mfr Iter	n Number Mfr Ite	Mfr Item Name		Effective Date	e Version	Ma	Manufacturing Site		ght*	UOM	Unit Type
NCP514	01MNTXG 3 Amp DDR2,	p VTT Termination Regu 2, DDR3, LPDDR3, DDR	lator DDR1, 4	2023-06-08		MY1		25.0)	mg	Each
Manufacturing Proccess Information											
Terminal Plating / Grid Array Material	Material Terminal Base Alloy J-STD-02			Peak Process Body Temperature Max Time at Peak			Temperature Number of Reflow Cycles				
Matte Tin (Sn) - annealed CU Alloy 1				260	0	С	30	seconds	3		
Comments											
level 1 - maximum time at peak temperature during so	dering is 10-30 secon	nds									
For more information regarding material composition	please refer to page 3	3									

RoHS Material Composition Declaration				Declaration Type *	Detailed
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		nium (Cr6+), Polybro	ominated Biphenyls (PBB), Polybron	dmium and quantity limit of 0.1% by mass (100 minated Diphenyl Ethers (PBDE), and Bis(2-eth	
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 co 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.

sigma range of distribution unless otherwise noted).									
Homogeneous Material	aterial Weight Unit of Measure Level Substance		Substance	CAS	Exempt	Weight	Unit of Measure		
Die	1.52	mg	Supplier	Silicon (Si)	7440-21-3		1.52	mg	
Die Attach	0.22	mg	Supplier	Silver (Ag)	7440-22-4		0.165	mg	
			Supplier	Epoxy resins	129915-35-1		0.055	mg	
Lead Frame 10.1	10.17	mg	Supplier	Silver (Ag)	7440-22-4		0.1017	mg	
			Supplier	Tin (Sn)	7440-31-5		0.0254	mg	
			Supplier	Zinc (Zn)	7440-66-6		0.0224	mg	
			Supplier	Chromium (Cr)	7440-47-3		0.0254	mg	
			Supplier	Copper (Cu)	7440-50-8		9.9951	mg	
Mold Compound-Black	12.43	mg		Epoxy resin	proprietary data		0.5842	mg	
			Supplier	Silica Amorphous (SiO2)	7631-86-9		1.243	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.0124	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		10.0062	mg	
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.5842	mg	
Plating	0.47	mg	Supplier	Tin (Sn)	7440-31-5		0.47	mg	
Wire Bond - Au	0.19	mg	Supplier	Gold (Au)	7440-57-5		0.19	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).