ABSOCIATION CONNECTING ELECTRONICS INDUSTRIES International and Pa	IPC, Bannock	burn, Illinois. A	ll rights reserved un tions.	nder both	This docum level parts, t	ent is a declar the declaratio	ration of the s	substances es all lowe	within the man r level material	ufacturer liste s for which the	d item. N e manufa	Note: if the acturer has	e item is an ass s engineering r	embly with lower esponsibility.	
	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 Information															
Company name*	Company uni	Company unique ID			Unique ID Authority					Response Date*					
onsemi												2023-06-08			
Contact Name T			Title - Contact			Phone - Contact*				Emai	Email - Contact*				
Product-Env-Stewards	Product Envir	Product Enviro Compliance			NA				Prod	Product-Env-Stewards@onsemi.com					
Authorized Representative*	Title - Repres	Title - Representative			Phone - Representative*				Emai	Email - Representative*					
Product-Env-Stewards	Product Enviro Compliance				NA				Prod	Product-Env-Stewards@onsemi.com					
Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective Da	ective Date Version Manufacturing Site		Site	Weigh	nt*	UOM	Unit Type		
	NCP160	AMX180TBG	250mA, Active Discharge			2023-06-08		,	ТНВ		1.434		mg	Each	
Manufacturing Proccess Inform	ation						1						1		
Terminal Plating / Grid Array M	/aterial	Ferminal Base A	Alloy J	J-STD-020 MSL Rating		Peak Process Body Ter		Temperatu	erature Max Time at Peak T		emperature Number of Reflow Cycles		es		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1		l		260		C	30 seco		conds 3				
Comments															
evel 1 - maximum time at peak tempera	ture during so	Idering is 10-3	0 seconds												
or more information regarding materia	l composition	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 v 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	0.09	mg	Supplier	Silicon (Si)	7440-21-3		0.09	mg		
Die Attach Epoxy	0.13	mg		Epoxy resin	proprietary data		0.039	mg		
			Supplier	Diethylene glycol monoethyl ether acetate	112-15-2		0.0455	mg		
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.0455	mg		
Lead Frame	0.58	mg	Supplier	Tin (Sn)	7440-31-5		0.0014	mg		
			Supplier	Zinc (Zn)	7440-66-6		0.0013	mg		
			Supplier	Chromium (Cr)	7440-47-3		0.0014	mg		
			Supplier	Copper (Cu)	7440-50-8		0.5758	mg		
Mold Compound-Black	0.6	mg	Supplier	Epoxy and Phenolic Resin	40216-08-8		0.048	mg		
			Supplier	Carbon Black (C)	1333-86-4		0.003	mg		
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.012	mg		
			Supplier	Fused Silica (SiO2)	60676-86-0		0.519	mg		
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.018	mg		
Plating	0.004	mg	Supplier	Palladium (Pd)	7440-05-3		0.0001	mg		
			В	Nickel (Ni)	7440-02-0		0.0035	mg		
			Supplier	Gold (Au)	7440-57-5		0.0004	mg		
Wire Bond - Au	0.03	mg	Supplier	Gold (Au)	7440-57-5		0.03	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).